CONSTRUCTION NEWS

PROPOSALS

For proposals Advertised see the pages immediately following the "Construction News" Section.

WATERWORKS

Bids Close		See Eng. News-Record
Jan. 15	Cyril, Okla.	Dec. 14
Jan. 15	Burbank, Okla.	Jan. 4
Jan. 15	Scarboro, Ont.	Jan. 4
Jan. 15	Yankton, S. D.	Jan. 11
Jan. 15	Boston, Mass.	Jan. 11
Jan. 15	St. Paul, Minn.	Jan. 11
Jan. 16	New York, N. Y.	Jan. 11
Jan. 19	Dallas, Tex.	Jan. 11
Jan. 22	Hinsdale, Ill.	Dec. 21
Jan. 25	Buffalo, N. Y. Adv. Jan. 11.	Jan. 11
Jan. 30	Zephyrhills, Fla.	Jan. 11
Feb. 1	Spokane, Wash.	Nov. 16

SEWERS

Jan. 15	Buffalo, N. Y.	Jan. 4
Jan. 15	St. Petersburg, Fla.	Dec. 28
Jan. 15	Wash., D. C.	Dec. 23
Jan. 16	Richmond, Va.	Dec. 21
Jan. 16	South Bend, Ind.	Jan. 11
Jan. 16	Summit, N. J. Adv. Jan. 11.	Jan. 11
Jan. 16	Long Island City, N. Y.	Jan. 11
Jan. 17	Phila., Pa.	Jan. 11
Jan. 18	Lodi, Calif.	Jan. 4
Jan. 22	Mamaroneck, N. Y. Adv. Jan. 11.	Jan. 11
Jan. 23	Toledo, O. Adv. Dec. 28 to Jan. 11.	Jan. 4
Jan. 23	Charlotte, N. C. Adv. Jan. 11.	Jan. 11
Jan. 24	San Francisco, Calif.	Jan. 4
Jan. 29	Spring Lake, N. J. Adv. Jan. 11.	Jan. 11
Feb. 23	Portland, Ore.	Jan. 11

WASTE DISPOSAL

Jan. 23	St. Louis, Mo.	Jan. 11
Jan. 24	Fargo, N. D.	Dec. 7

BRIDGES

Jan. 23	Spokane, Wash.	Sept. 21
Jan. 23	Spartanburg, S. C.	Jan. 4
Feb. 7	Mermenton, La. Adv. Jan. 4 and 11.	Jan. 11
Feb. 7	Appleton, Wis. Adv. Jan. 11.	Jan. 11
Apr. 1	Wilkes-Barre, Pa.	Dec. 14
Sept. 1, 1923,	Sydney, New South Wales, Australia	Aug. 3

DAMS

Jan. 22	Megantic, Que.	Jan. 11

EXCAVATION, DRAINAGE, IRRIGATION

Jan. 16	South Bend, Ind.	Jan. 11
Jan. 22	Olivia, Minn.	Jan. 11
Feb. 7	Baltimore, Md.	Jan. 11

STREETS AND ROADS

Jan. 12	New York. Adv. Jan. 4 and 11.	Jan. 4
Jan. 15	Merced, Calif.	Jan. 4
Jan. 15	Cortland, N. Y. Adv. Jan. 11.	Jan. 11
Jan. 16	Bluffton, Ind.	Jan. 4
Jan. 16	Michigan	Dec. 28
Jan. 16	Posen, Ill.	Jan. 11
Jan. 16	Elkhorn, Wis.	Jan. 11
Jan. 17	Camden, S. C.	Jan. 4
Jan. 18	Brooklyn, N. Y.	Jan. 11
Jan. 20	Racine, Wis.	Jan. 11
Jan. 20	Boonville, Ind.	Jan. 11
Jan. 22	Crescent City, Calif.	Jan. 11
Jan. 23	Laredo, Tex.	Jan. 4
Jan. 23	Spokane, Wash.	Dec. 21
Jan. 23	Charlotte, N. C. Adv. Jan. 11.	Jan. 11
Jan. 24	Faribault, Minn.	Dec. 14
Jan. 25	Ft. Smith, Ark.	Dec. 28
Jan. 25	Dyersville, Ia.	Jan. 11
Jan. 28	Cisco, Tex.	Jan. 4
Jan. 30	Quebec	Dec. 28
Jan. 30	West Virginia Adv. Jan. 11.	Jan. 11
Jan. 30	Zephyrhills, Fla.	Jan. 11
Feb. 1	Michigan	Jan. 11
Feb. 1	North Carolina	Jan. 11
Feb. 2	Alabama	Jan. 11
Feb. 5	Harrisville, W. Va.	Jan. 11
Feb. 6	Mount Vernon, Ind.	Jan. 11

Bids Close		See Eng. News-Record
	INDUSTRIAL WORK	
Jan. 15	Great Falls, S. C.	Dec. 28
Jan. 17	Charlotte, N. C.	Jan. 11
Jan. 18	Toronto, Ont.	Jan. 11
Feb. 5	Shelbyville, Ill. Adv. Jan. 11.	Jan. 11
	BUILDINGS	
Jan. 15	Oxford, O.	Jan. 4
Jan. 15	Collingswood, N. J.	Jan. 4
Jan. 15	Dallas, Tex.	Dec. 21
Jan. 15	Sacramento, Calif.	Jan. 4
Jan. 15	Vancouver, B. C.	Jan. 4
Jan. 15	Mankato, Minn	Jan. 11
Jan. 17	Baltimore, Md.	Jan. 4
Jan. 18	Montreal, Que.	Jan. 11
Jan. 19	Monticello, Ia.	Dec. 21
Jan. 19	Massillon, O.	Jan. 11
Jan. 24	Holland, Mich.	Jan. 11
Jan. 25	Owosso, Mich.	Jan. 11
Jan. 25	Crookston, Minn.	Jan. 11
Jan. 26	Omaha, Neb.	Jan. 4
Jan. 27	Port Arthur, Tex	Jan. 11
Jan. 27	Logansport, Ind.	Jan. 11
Jan. 29	Columbus, O.	Jan. 11
Jan. 29	Oakland, Calif.	Jan. 11
Jan. 30	Lafaivre, Ont.	Jan. 11
Jan. 30	Wenatchee, Wash.	Jan. 11
Jan. 30	New York, N. Y.	Jan. 11
Jan. 31	Groveport, O.	Jan. 11
Feb. 1	St. Thomas, N. D.	Jan. 4
Feb. 1	Chicago, Ill.	Dec. 21
Feb. 1	Niagara Falls, N. Y.	Jan. 11
Feb. 1	Thiells, N. Y. Adv. Jan. 11.	Jan. 11
Feb. 1	Kansas City, Mo.	Jan. 11
Feb. 9	Jamestown, N. Y. Adv. Jan. 11.	Jan. 11
Feb. 10	Kenosha, Wis.	Jan. 4
Feb. 15	St. Charles, Minn.	Jan. 11
Feb. 23	Jamestown, N. Y. Adv. Jan. 11.	Jan. 11
Mar. 15	Trenton, N. J.	Jan. 11
Mar. 23	Shreveport, La.	Nov. 9
	FEDERAL GOVERNMENT WORK	
Jan. 15	Metal Work — Key West, Fla.	Dec. 21
Jan. 15	Pipe Line Dredge—Cincinnati, O.	Dec. 14
Jan. 15	Dredging—Virginia	Dec. 28
Jan. 15	Scows—Wilmington, Del. Adv. Dec. 28 to Jan. 11.	Dec. 28
Jan. 15	Scows—Phila., Pa.	Dec. 28
Jan. 15	Mains, Sewers, etc.—Edgewood, Md.	Jan. 11
Jan. 16	Hospital—Tacoma, Wash.	Dec. 14
Jan. 16	Hull—Nashville, Tenn. Adv. Dec. 21 to Jan. 11.	Dec. 21
Jan. 17	Dredging—Phila., Pa.	Dec. 28
Jan. 17	Piers—Astoria, Ore.	Dec. 28
Jan. 18	Remodeling—Boston, Mass.	Dec. 28
Jan. 18	Furnishing and Placing Rock —New Orleans, La.	Dec. 21
Jan. 22	Bridges—Alaska	Dec. 28
Jan. 23	Lock Operating Machinery, etc. —Huntington, W. Va. Adv. Dec. 28 to Jan. 11.	Dec. 28
Jan. 24	Levee Work—St. Louis, Mo. Adv. Dec. 28 to Jan. 11.	Dec. 28
Jan. 24	Refrigerating and Ice-Making Plant—Pearl Harbor, H. T.	Dec. 14
Jan. 24	Natatorium — Annapolis, Md.	Jan. 11
Jan. 24	Extension—Wash., D. C.	Jan. 11
Jan. 26	Tower—New York, N. Y. Adv. Jan. 4 and 11.	Jan. 4
Jan. 26	Dredging, etc. — Richmond, Calif.	Jan. 11
Jan. 27	Barges—Florence, Ala. Adv. Jan. 4 and 11.	Jan. 4
Jan. 29	Ward Building, etc.—Savannah, Ga.	Jan. 4
Jan. 30	Dredging Ladder — Cincinnati, O. Adv. Jan. 4 and 11.	Jan. 4
Jan. 30	Barges—Nashville, Tenn. Adv. Jan. 4 and 11.	Jan. 4
Jan. 30	Extension — New York, N. Y. Adv. Jan. 11.	Jan. 11
Jan. 30	Houses—Ft. Benning, Ga. Adv. Jan. 11.	Jan. 11
Jan. 31	Houses—Pittsburgh, Pa. Adv. Jan. 4 and 11.	Jan. 4
Feb. 1	Dredging—Galveston, Tex. Adv. Jan. 4 and 11.	Jan. 4
Feb. 1	Well—Dona Ana, N. M. Adv. Jan. 11.	Jan. 11
Feb. 7	Detonator and Storehouse—Puget Sound, Wash.	Jan. 11
Feb. 7	Water Supply System — Tiburon, Calif.	Jan. 11
Feb. 8	Horses and Props—Cincinnati, O. Adv. Jan. 11.	Jan. 11
Feb. 14	Sluice Gates — Boise, Idaho	Jan. 4
Feb. 15	Furnishing Stone, etc.—Crescent City, Calif.	Dec. 28
Feb. 15	Valves—Boise, Idaho	Jan. 4
Feb. 21	Dredging—Galveston, Tex. Adv. Jan. 11.	Jan. 11
	MISCELLANEOUS	
Jan. 15	Bulkhead — Jersey City, N. J. Adv. Dec. 21 to Jan. 11.	Dec. 21
Jan. 15	Power Equipment — Lamar, Mo.	Jan. 4
Jan. 19	Power Plant Equipment — Memphis, Tenn.	Jan. 4
Jan. 19	Bulkhead—Brooklyn, N. Y.	Jan. 11
Jan. 22	Machinery and Equipment—Georgia	Jan. 11
Jan. 22	Turbines—Winnipeg, Man.	Jan. 4
Jan. 23	Crane—Aberdeen, Wash. Adv. Jan. 4 and 11.	Jan. 4
Jan. 23	Tar Patching Material, etc. —Trenton, N. J. Adv. Jan. 11.	Jan. 11
Jan. 26	Grand Stand, etc. — Topeka, Kan.	Jan. 11
Feb. 7	Motor Truck — Appleton, Wis.	Jan. 11
Feb. 15	Dry Dock Machinery—Esquimalt, B. C.	Jan. 4

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

N. Y., Binghamton—Broome Co. plans extension to county hospital waterworks incl. drilling of several wells, etc. $15,000. W. Weeks, clk. Engineer not announced.

N. Y., Brooklyn—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York, rejected bids opened Dec. 22, installing and connecting steel forged crossheads at Atlantic Ave. pumping station, here. Will readvertise.

N. Y., Chenango Bridge — Towns of Chenango and Fenton in conjunction with Bd. Supervs. Broome Co. (Binghamton), plan new water system, here. $100,000.

N. Y., Niagara Falls—Plans mains. $100,000. D. J. Fort. 251 2nd St., city mgr.

N. Y., Potsdam—Plans filtration plant on Racquette River. $30,000-$40,000. Address N. E. Clark, Jr., Potsdam.

N. Y., Watertown—Dept. of Water plans to purchase 500 house service meters. $10-$11 each. J. W. Ackerman, city mgr.

N. Y., West Carthage—Plans filtration plant. $25,000. Address S. D. Hewitt, West Carthage.

Ia., Oakland — Plans waterworks improvements, incl. concrete reservoir and installation of auxiliary pump. $15,000. G. A. Luxford, clk.

Pa., Johnstown—Johnstown Water Co., Locust and Market Sts., plans 600,000,000 gal. reservoir on north fork of Bens Creek, $100,000. This is first part of $2,000,000 program. G. W. Sullivan, Locust and Market Sts., engr.

Mo., Trenton—Voted $175,000 bonds and takes bids in February new filtration plant. Burns & McDonnell, 402 Interstate Bldg., Kansas City, engrs. Noted Sept. 28.

Tex., Bridgeport — Making plans waterworks system. $30,000. Elrod Eng. Co., 3206 Elm St., Dallas, engrs.

Tex., Ft. Worth—Voted $1,500,000 bonds for new mains, filters, etc. D. L. Lewis, city engr.

Tex., Texarkana—Texas & Pacific R. R., Union Sta., Ft. Worth, making plans storage reservoir, here. $125,000. Address Engineers c/o owner.

Tex., Vernon — Making plans storage reservoir. $50,000. A. J. Robinson, city engr.

S. D., Aberdeen — Plans to improve waterworks system incl. 500,000 gal. rein.-

Waterworks (Continued)

con. reservoir, 125 ft. elevated tank, 200,000 gal. capacity, laying 12 mi. main in South Main St., pumphouse. $150,000. F. LeCocq, city engr.

Colo., Grand Junction — Takes bids in February new rein.-con. reservoir, 15,000,000 gal. capacity. $190,000 bonds voted. Burns & McDonnell, Interstate Bldg., Kansas City, Mo., engrs. Noted Dec. 14.

Calif., Scales—See "Excavation, Drainage, Irrigation."

Calif., San Diego — Having plans prepared extending watermains, $300,000; constructing stand-pipe, $85,000. Election will be held probably March 20, to vote on bonds for above projects. F. A. Rhodes, city engr.

Ont., Toronto—Plans 16,000 ft. c. i. mains, mostly 6 in. in following: Manor Rd., $1,762, Brookdale Ave., $2,882, Heath St. E., $3,976. Kingsmere Rd., $1,821, Lexie St., $1,819, Moore Ave., $3,665, Mt. Pleasant Rd., $1,819, Pinehurst Ave., $1,823, Welland Ave., $1,945, Duplex Ave., $2,039, Old Orchard Grove, $4,473, Kilbarry Rd., $2,849, Roe Ave., $4,408 and Wilburton Rd., $2,925. R. C. Harris, city engr.

Ont., Windsor — Essex Border Utilities Comn. plans filtration plant. $760,000 bonds voted. W. Walker, 300 Ouellette Ave., engr.

B. C., North Vancouver—Voted $50,000 bonds for additions and extensions to waterworks system. Work will probably be done by day labor. F. M. Sharp, Municipal Hall, engr.

BIDS DESIRED

Mass., Boston—Jan. 15, by Pub. Wks. Dept., Water Div., 35,000 lb. c. i. flanged frames, 150,000 lb. c. i. service pipe fittings, 30 ton 4 in. iron bell and spigot pipe, 38,000 lb. composition castings, 200,000 lb. c.i. branches, sleeves, curves, etc., 100,000 lb. c. i. manhole frames and covers, 350,000 lb. c. i. hydrant and gate fittings, 65,000 lb. c. i. meter boxes, five thousand fire hundred ⅝ in., two hundred ¾ in., fifty 1 in., thirty five 1¼ in., twenty five 2 in. and ten 3 in. meters. F. A. McInnes, water div. engr.

N. Y., Buffalo—Jan. 25, by A. W. Kreinheder, comr. Pub. Wks., Municipal Bldg., 56 rectangular sluice gates; adv. this issue.

N. Y., New York—Jan. 16, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in Ave. A, 1st and 2nd Aves., East 42nd, East 51st, East 62nd, East 69th, East 74th, East 78th and East 81st Sts.

Fla., Zephyrhills—Jan 30, by City Council, waterworks improvements, incl. 200 ton c. i. pipe, 10,000 ft. galv. pipe, one 75,000 gal. tank, 110 ft. tower, 2 centrifugal pumps and engines, pumping station, buildings and well. $25,000. E. V. Camp & Associates, Moreland and De Kalb Aves., Atlanta, Ga., engrs.

Tex., Dallas—Jan. 19, by City Comn., two 2,000,000 gal. steel standpipes, one in Belmont other at Lakewood Heights. $40,000 each. G. D. Fairtrace, city engr.

Minn., St. Paul — Jan. 15, by H. W. Austin, city purch. agt., c. i. pipe specials; lead pipe, thirty ⅝ in., one thousand ¾ in., two hundred and fifty 1 in. and one hundred and twenty five 1¼ in. extra strong coils; 2,550 corporation cocks, 190 curb cocks, 200 brass soldering nipples, 150 brass gate valves, for Water Dept. G. M. Shepard, city engr.

S. D., Yankton—Jan. 15, sinking artesian well, 8 in. diam., 640 ft. deep. J. W. Summers, city clk.

CONTRACTS AWARDED

N. Y., Brooklyn — Bd. Water Supply, Municipal Bldg., New York, constructing Mt. Prospect conduit a portion of city conduits of Catskill aqueduct from Shaft 24 of city tunnel in Fort Greene Park, along Cumberland St., Lafayette, Washington and Flatbush Aves., here, to A. Paino, 32 Court St., $995,305. Noted Dec. 28.

O., Cleveland—For 1 story, 30 x 35 ft. pumphouse for Lake Shore Blvd. Pumping Station, to D. Lowensohn, Davis & Farley Bldg., $25,918. Former contract rescinded. Noted Dec. 21.

Mich., Detroit — Secretary Bd. Water Comrs., 176 East Jefferson Ave., pipe line across River Rouge at Fort St. W., to Greiling Bros., 906 McDonald St., Green Bay, Wis., $34,373. Noted Jan. 4.

Kan., Rexford—Complete new waterworks and distribution system. to F. M. Buson Mchy. Co., 308 Mutual Bldg., Kansas City, Mo., $22,000. Noted Nov. 16.

Okla., Oklahoma City—For three 3,450 gal. per minute centrifugal pumping units driven by Marine type high speed engines, to Rhinehart & Donavan, Tradesmans Natl. Bank Bldg., $27,520.

Wash., Yakima — Laying 30,809 ft. of 3-6 in. wood pipe lines for irrigation water, to Coluccio & Erickson, Sloan Bldg., $29,313.

Ont., Port Credit—Steel waterworks intake with anchors and intake crib, to A. Blower, Port Credit. 1,000 ft. 12 in. steel pipe, to Toronto Iron Wks., Cherry St., Toronto. Engrs. est. $40,000.

Ont., Toronto — Bd. Control, to J. T. Farmer, 20 St. Nicholas St., Montreal, Que., five 24 in. horizontal geared stop valves, fitted with 6 in. bypass, $421 each, also twelve 20 in. stop valves, $388.35 each; to F. Hankin & Co., Ltd., 20 St. Nicholas St., Montreal, Que., 242 lengths 20 in. c.i. pipe, $103.25 per length; to J. Inglis Co. Ltd., Strachan Ave., special pipes and castings; to J. T. Hepburn, Ltd., 18 Van Horne St., c.i. specials; to Canadian Fairbanks Morse Co., Front St. W., one 20 in. steel check valve $301.

Sewers

PROPOSED WORK

N. Y., Niagara Falls—Plans sewers in various streets. $75,000. D. J. Fort, 251 2nd St., city mgr.

Pa., Erie—See "Streets and Roads."

O., Akron—W. F. Peters, dir. Pub. Serv., plans to issue $700,000 bonds for vitr. clay and segmental block sewers, etc., to prevent pollution of Pigeon Creek. J. E. Root, Delaware Bldg., engr.

O., Barberton — Director Pub. Serv. takes bids in February 74,000 ft. vitr. clay and segmental block sewers in various streets in East Barberton. $225,000. H. W. Alcorn, City Hall, engr.

Mich., Detroit—Had plans prepared 7,263 ft. Butternut St. Arm of Clark Ave. Sewer in Michigan Ave., 24th and Butternut Sts. from Clark Ave. to 14th St., 290 ft. 9 ft., 1,220 ft. 8 ft. 9 in., 700 ft. 8 ft. 3 in., 1,730 ft. 7 ft. 9 in., 1,610 ft. 6 ft. 6 in., 1,375 ft. 3 ft. 4 in. x 5 ft. egg section, also 6,813 ft. Buchanan Ave. Arm of Clark Ave. Sewer in Buchanan Ave. from 29th to 18th Sts., 382 ft. 9 ft. 6 in., 1,120 ft. 9 ft., 1,355 ft. 8 ft. 6 in., 2,638 ft. 7 ft. 6 in., 452 ft. 6 ft. 3 in., 100 ft. 5 ft., 263 ft. 4 ft. 3 in., 291 ft. 3 ft. 4 in. x 5 ft., 73 ft. 3 x 4 ft. egg section, brick or monolithic concrete. J. W. Reid, city engr.

Ill., East St. Louis—Soon receives bids repairing outlet sewer in Kansas Ave., from 14th to 15th Sts. and vicinity, steel reinforcement, etc., $25,000. E. E. Harper, city engr.

Okla., Tulsa — C. Schultz, city engr., takes bids in about 2 weeks, 10,000 ft. 8 in. vitr. clay pipe sewers. $43,000.

Tex., Park Place—Citizens voted $70,000 bond issue for sewerage system. W. N. Pearson, mayor.

Calif., Merced—Having plans completed for outfall sewer, 20,000 lin.ft. 24 in. pipe. Bids will be asked on both tongue, groove, bell and spigot pipe. To exceed $30.000. C. D. Martin, city engr.

Calif., Richmond—Had preliminary plans prepared storm sewers in various sections of city. $350,000-$400,000. H. D. Chapman, city engr.

Ont., Stratford—Plans sanitary sewers in Whitelock St. from Mowat to Louise Sts., Louise St. from Whitelock to Brydges Sts., and Downie St. from Iverness to Gore Sts., storm sewers in Kent Lane, Kent and Iverness Sts. from Nelson to Walnut Sts., and McNab St. from Whitelock to Player Sts., 6,000 ft. vitr. tile pipe, 8 in. up, also remodeling rein.-con. sewage disposal plant. $50,000. A. B. Manson, City Hall, engr.

BIDS DESIRED

N.Y., Long Island City—Jan. 16, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., storm sewers in 25th St. from point about 100 ft. northerly from north line of Riker to Ditmars Aves., combined sewer in 25th St. from Riker to Ditmars Aves.; temporary screen and drop chamber at intersection of 25th St. and Riker Ave.; temporary 30 in. sanitary sewer in 25th St. from Riker Ave. to bulkhead line continuing at an angle of 61 degrees with bulkhead line in a northerly direction to point about 1,250 ft. beyond pierhead line, 2nd Ward.

N. Y., Mamaroneck — Jan. 22, by Bd. Sewer Comrs. of Sewer Dist. 1, Weaver St. School House (1) constructing Contr. 4 of Dist. 1 Sect. A (2) house connections, etc. L. E. Van Etten, 12 Lawton St., New Rochelle, engr.; adv. this issue.

N. J., Spring Lake—Jan. 29, by Mayor and Boro Council, 1,500 lin.ft. 6 and 8 in. sewer. J. M. Braly, Natl. Bank Bldg., boro engr.; adv. this issue.

N. J., Summit — Jan. 16, by Common Council, concrete or vitr. storm water sewer in Essex and Whittredge Rds. [illegible] C. Brigham, City Hall, city engr.; ad [illegible] this issue.

Pa., Phila.—Jan. 17, by F. H. Caven, dir. pub. wks., 2,800 ft. concr[illegible] and vitr. pipe sewer in Delaware Ave. from Snyder to Bigler Sts., incl. 500 ft. 2 ft. [illegible] in. x 1 ft. 8 in. concrete, 850 ft. 15-18 [illegible] concrete, 1,500 ft. vitr. pipe piles, $35,000; 5,312 lin. ft. 18 in. creosoted walks at northeast sewerage plant, $15,000, flood lights and accessories at Pennypack Creek sewerage plant, $5,000, 2,352 ft. channel through 40th ward lowlands, 54 ft. wide, 10 ft. deep, rein.-con. sides and bottom, $200,000. J. A. Vogelson, 416 City Hall, engr.

N. C., Charlotte—Jan. 23, by Bd. Comrs., 8 mi. sewers and drains with appurtenances. J. Firth, city engr. W. S. Stancill, comr. pub. wks.; adv. this issue.

Ind., South Bend—Jan. 16, by City Clerk and Bd. of Wks., 8,090 ft. 24 and 36 in. cement pipe. $32,820. F. J. Anderson, city engr.

Ore., Portland—Feb. 23, for extension North Branch Rhine St. Sewer, 1,863 ft. 6-24 in. cement or vitr. pipe, 3,221 ft. 6[illegible] in., 3,526 ft. 54 in., 1,204 ft. 48 in. rein.-con. pipe and 1,514 ft. 42 in. and 554 ft. 36 in. plain concrete pipe, 45,255 cu.yd. earth excav. and backfill, etc., $180,574. East 30th St. Sewer, 1,530 ft. 6-10 in. cement or vitr. pipe, $2,688; 26th St. Sewer, 1,534 ft. 8-24 in. cement or vitr. pipe, etc., $4,402; Ballinger Dr. and 86th St. Sewer, 1,666 ft. 8-12 in. cement or vitr., $3,725. East 13th St. Sewer, 472 ft. 6-8 in. cement or vitr., $639. O. Laurgaard, city engr.

BIDS RECEIVED

N. Y., Brooklyn—E. Riegelmann, boro pres., opened bids Jan. 3, sewers in (1) Lenox Rd. (2) 40th St. (3) East 10th St. (4) Malta St. (5) Vandervoort Ave. (6) Hegeman Ave. (7) Bristol St. (8) Rutherford Pl., from A. Mannino, 263 86th St. (1) 96% of engrs. est. ($7,219); C. F. Vacharis, (1) 97% (2) 109% of engrs. est. ($4,571); Tomasetti & Co., Inc., 1133 60th St., (1) 98% (2) 103%; B. Peconi & Son, 570 18th St., (2) 102% (3) 101% of engrs. est. ($3,348) (4) 87% of engrs. est. ($2,917) (5) 120% of engrs. est. ($2,631) (6) 99% of engrs. est. ($2,264) (7) 105% of engrs. est. ($1,259); G. L. Schrade, 692 Flatbush Ave., (3) 108% (4) 83% (5) 108% (6) 106% (7) 106% (8) 107% of engrs. est. ($1,975); Nazzaro & Querriero, (3) 111%; J. Jennings, Belle Harbor, (4) 103% (5) 133% (7) 123% (8) 122%; J. W. Murphy, (6) 122% (8) 117%. Noted Dec. 28.

O., Lakewood (Cleveland P. O.)—Opened bids Dec. 30, 5,250 ft. 48 in. segmental block intercepting sewer, from J. Winterbottom, 1815 Corning Ave., Cleveland, $162,764; Joseph & Kalill, Bangor Bldg., Cleveland, $172,163. Noted Dec. 21.

CONTRACTS AWARDED

Pa., Wilkes-Barre—Sewers in east end district, to Goeringer Constr. Co., Wilkes-Barre, $59,984.

O., Cleveland—Cuyahoga Co. 4,193 ft. 66 and 72 in. segmental block sewer in Sewer Dist. 1, Impvt. 26, Sect. A, to Gallagher Burke Constr. Co., 1228 Bonnieview Ave., Lakewood, $160,000. Noted Jan. 4.

Ind., Michigan City — Trunk sewer, to Byrne Bros. Constr. Co., 358 East 115th St., Chicago, $507,000.

Mich., Detroit—To W. Blanck Co., 823 Ford Bldg., Ext. 2 of Alter Rd. Sewer $54,090, Lateral 3801 $5,375, Lateral 3809 $5,658, Lateral 3810 $8,056; to Hammen & Co., 4612 Woodward Ave., Watson St. Arm of Bates St. Sewer $64,146; to R. D. Baker, 1631 Elmhurst Ave., Ext. to 3rd Ave. Relief Sewer $30,444; to J. Porath, 745 Griswold St., Byron Ave. Arm south of Highland Park Arm Sewer $22,635, Byron Ave. Arm north of Highland Park Arm Sewer $29,339; to Detroit Drainage Constr. Co., 5099 LeMay Ave., Lateral 3794 $7,067, Lateral 3806 $6,000; to Western Constr. Co., 1208 Ford Bldg., Lateral 3800 $19,517; to Langley & Barton, 1604 Pennsylvania Ave., Lateral 3802 $3,900; to A. G. St. John, 400 Penobscot Bldg., Lateral 3803 $9,600, Lateral 3804 $11,300. Noted Dec. 21.

Mich., Springwells—To A. Rossi, 1984 Erskine St., Detroit, 2,657 ft. Sect. 22 in Colson Ave., $34,006; to W. Blanck & Co., 827 Ford Bldg., 3,015 ft. Sect. 23 in. Marconi, Springwells and Pompeii Sts., $43,200. Noted Jan. 4.

Kan., Oakley—Complete new sewerage system and disposal plant, to Reed & Wheelock, Clay Center, $47,284. Noted Dec. 14.

Okla., Sand Springs—Monolithic storm sewers, to Comstock-Smedley Constr. Co., 432 Iowa Bldg., Tulsa, $52,002. Noted Dec. 14.

Calif., Watts — Cement pipe sewerage system, to J. G. Beckiord, San Fernando Bldg., Los Angeles, $445,000. Noted Dec. 21.

Waste Disposal

PROPOSED WORK

Wis., West Allis—Rejected bids garbage incinerator. Will readvertise soon. A. L. Wichner, supt. Pub. Wks. Noted Aug. 31.

BIDS DESIRED

Mo., St. Louis—Jan. 23, by Bd. Pub. Serv., 208 City Hall, disposal of city garbage amounting to average of 225 ton daily. $165,000. C. H. Fisk, 324 City Hall, engr. Noted Nov. 23.

CONTRACTS AWARDED

Ont., Toronto—To F. Hankin Co., 20 Nicholas St., Montreal, Que., 400 ton concrete and brick garbage incinerator, $203,000. Noted Dec. 21.

Bridges

PROPOSED WORK

N. H., Manchester—State Hy. Dept., Concord, having plans prepared bridge here, $750,000-$800,000. Fay, Spofford & Thorndike, 200 Devonshire St., Boston, engrs.

N. Y., Niagara Falls—Plans repairs and replacements on Pierce Ave. Bridge, $30,000; steel bridge over Gill Creek, at Walnut Ave. and Sugar St., $40,000. D. J. Fort, 251 2nd St., city mgr.

N. Y., Rochester—Plans east approach to bridge over Genesee River between Lewiston Ave. and Ridge Rd., $55,000, also extending Arbordale Ave., $4,500. C. A. Poole, city engr.

O., Girard — Trumbull Co. (Warren) takes bids in March, steel and concrete bridge, here. $1,000,000. Wendell P. Brown & Co., 412 Finance Bldg., Cleveland, engrs.

Wisconsin—Following are county appropriations for county aid bridge construction. Adams Co. $2,000, J. A. McGregor, Friendship, comr.; Ashland Co. $6,500, W. E. Dillon, Highbridge, comr.; Barron Co. $4,200, E. Gleason, Barron, comr.; Bayfield Co. $9,000, J. Friberg, Washburn, comr.; Buffalo Co. $27,434, J. Rhinehart, Nelson, comr.; Burnett Co. $9,200, G. E. Miller, Webster, comr.; Calumet Co. $3,500, J. Gillis, Chilton, comr.; Chippewa Co. $24,768, P. O. Lokrantz, Chippewa Falls, comr.; Clark Co. $10,562, O. Weymiller, Neillsville, comr.; Dane Co. $20,000, E. J. Smith, Courthouse, Madison, comr.; Door Co. $4,975, J. M. Laurie, Sturgeon Bay, comr.; Douglas Co. $5,125, C. Hanson, Superior comr.; Eau Claire Co. $16,000, G. Osborne, Eau Claire, comr.; Grant Co. $35,693, H. Mink, Lancaster, comr.; Iowa Co. $9,537, C. Wonn, Saxon, comr.; Jackson Co. $21,893, O. Overlien, Black River Falls, comr.; Jefferson Co. $19,023, R. D. Royce, Ft. Atkinson, comr.; Juneau Co. $1,500, A. V. Robison, New Lisbon, comr.; Kenosha Co. $1,650, J. F. Herzog, Kenosha, comr.; Kewaunee Co. $7,633, M. Shaw, Algoma, comr.; La Crosse Co. $852, J. Hintgen, La Crosse, comr.; Lafayette Co. $15,000, G. H. Priestley, Darlington, comr.; Langlade Co. $7,093, C. Olsen, Antigo, comr.; Lincoln Co. $5,000, H. H. Kuehling, Merrill, comr.; Manitowoc Co. $15,380, J. Connell, Manitowoc, comr.; Marathon Co. $27,849, J. H. Vogt, Wausau, comr.; Marinette Co. $13,605, A. Eklund, Peshtigo, comr.; Monroe Co. $15,597, C. H. Millard, Sparta, comr.; Oneida Co. $10,000, B. L. Horr Rhinelander, comr.; Outagamie Co. $12,428, A. G. Brusewitz, Appleton, comr.; Pepin Co. $7,000, G. A. Goss, Durand, comr.; Polk Co. $2,100, C. W. Nystrom, Balsam Lake comr.; Portage Co. $23,500, T. E. Cauley, Stevens Point, comr.; Racine Co. $5,000, W. A. Bechthold, Racine, comr.; Richland Co. $31,469, W. V. Robinson, Richland Center, comr.; Rock Co. $20,000, C. E. Moore, Janesville, comr.; Sawyer Co. $8,300, E. J. Collett, Haywood, comr.; Shawno Co. $29,674. W. F. Meyer, Shawano, comr.; Sheboygan Co. $30,275, G. W. Ubbelohde, Sheboygan comr.; Taylor Co. $19,119, C. Kelnhoffer, Medford, comr.; Trempealeau Co. $15,325, E. F. Robering, Arcadia, comr.; Vernon Co. $15,440, A. Ristow, Viroqua, comr.; Vilas Co. $3,000, W. Hunter, Eagle River, comr.; Washburn Co. $8,000, J. R. Allen, Spooner, comr.; Waushara Co. $1,300, G. Grimm, Wautoma, comr.; Winnebago Co. $12,671, J. Binning, Oshkosh, comr.; Wood Co. $19,197, E. Morris, Wisconsin Rapids, comr.; Dodge Co. $30,000, E. T. Klug, Juneau, comr.; Green Co. $30,050, E. J. Smith, Monroe, comr.; Price Co. $4,550, B. M. Griffin, Phillips comr.

South Dakota—See "Streets and Roads."

California — Dumbarton Bridge Assn., Redwood City, plans concrete and steel toll bridge with bascule type of draw in channel, over San Francisco Bay at Dumbarton Straits, San Mateo Co. $1,212,000. J. MacBain, care County Clerk, Redwood City, interested.

Ont., Brantford—Soon takes bids 420 ft. rein.-con. bridge with 3 arch spans, center span 140 ft. long and 2 end spans 135 ft., over Thames River. $335,000 bonds voted. F. P. Adams, City Hall, engr. Noted Nov. 23.

BIDS DESIRED

West Virginia—See "Streets and Roads."

La., Mermentau—Feb. 7, by Louisiana Highway Comn., Reymond Bldg., Baton Rouge, bridge over Mermentau River, here, on Federal Aid Project 122. J. M. Fourmy, ch. engr.; adv. this issue.

Wis., Appleton—Feb. 7, by E. L. Williams, city clk., bridges across Fox River at Lawe and Cherry Sts. O. F. Weissgerber, city engr.; adv. this issue.

BIDS RECEIVED

Illinois—Dept. Pub. Wks. and Buildings, Div. Highways, Springfield, opened bids Dec. 21 for bridges (1) 2 concrete, Route 1, Sect. 13-B, Wabash Co. (2) concrete, Route 1, Sect. 15-B, Lawrence Co. (3) 2 concrete and substructure for steel, Route 1, Sect. 16-B, Lawrence Co. (4) superstructure for steel, Route 1, Sect. 16-C, Lawrence Co. (5) 1 steel, Route 1, Combination Z, Lawrence Co. (6) 3 concrete and substructure for steel, Route 1, Combination A-1, Lawrence Co. (7) 3 concrete and 1 steel, Route 1, Combination B-1, Lawrence Co. (8) 5 concrete and 1 steel, Route 1, Combination D-1, Lawrence Co. (9) 2 concrete, Route 26, Sect. 1, Stephenson Co. (10) 3 concrete, Route 42, Sect. 112, Cook Co., from L. Clotfelter, Hillsboro, (1) $13,951 (2) $15,908 (3) $119,818; Whitewater Bridge Co., Whitewater, Wis., (1) $15,381; D. W. Carmine Constr. Co., Sullivan, (1) $15,385; M and P Contg. Co., Rockport, Ind., (2) $17,665 (7) $158,000 (8) $191,500; Vincennes Bridge Co., Vincennes, Ind., (2) $17,984 (3) $123,505 (4) $32,372 (5) $152,000 (8) $184,500; Stressenreuter Bros., 3020 South Halsted St., Chicago, (3) $122,670 (5) $156,196; Central States Bridge Co. (address not available), (4) $30,175; Stein Constr. Co., 204 Grand Ave., Milwaukee, Wis., (4) $32,809 (7) $187,500; W. C. Johnson, 512 South High St., Belleville, (5) $164,198 (7) $173,915 (8) $185,806; J. P. Lyon, Robinson, (6) $154,000; J. R. Stevens, Kirkwood, (9) $14,103; Gund-Graham, Freeport, (9) $14,283; F. Keeney, Forreston, (9) $14,372; G. Sheldon, Putnam Bldg., Davenport, Ia., (10) $214,407; Oltendorf Constr. Co., Palatine, (10) $258,467; C. E. Giertz, Elgin, (10) $269,854. Noted Dec. 14.

Missouri—See "Streets and Roads."

Missouri — State Hy. Dept., Jefferson City, opened bids four 60 ft. and one 50 ft. steel truss, one 50 ft. I-beam and two 80 ft. skewed steel truss spans on rein.-con. pile foundations, on road from Charleston to Wolf Island, Federal Aid Project 198B, Mississippi Co., from Keeley Bros. Contg. Co., 2100 State St., East St. Louis, Ill., $34,490; R. L. Williams, Wyatt, $50,166. Noted Nov. 16.

Missouri—State Hy. Dept., Jefferson City, three 410 ft., three 250 ft., two 190 ft., two 100 ft. and six 50 ft. steel truss, two 25 ft., three 24 ft. and two 45 ft. steel girder spans, 5 steel towers, 11 concrete piers, 20 ft. roadways, etc., over Missouri River at Lexington, Federal Aid Project 223, Lafayette and Ray Counties, from Missouri Valley Bridge & Iron Co., 4th and Walnut Sts., Leavenworth, Kan., $439,080; Mt. Vernon Bridge Co., Mt. Vernon, O., $526,020; McClintic-Marshall Co., Oliver Bldg., Pittsburgh, Pa., $561,026. Noted Nov. 16.

Missouri—State Hy. Dept., at div. office Marble Hill, opened bids Dec. 27, deck girder and steel truss span bridge on road from Marble Hill to Patton, Federal Aid Project 202A, Bollinger Co., from M. E. Gilliox, Monett, $37,570; C. P. O'Reilley & Co., Wainwright Bldg., St. Louis, $38,041; W. A. Reynolds, Marble Hill, $39,165. Noted Dec. 7.

Missouri—State Hy. Dept. at div. office Neosho, opened bids Dec. 27, one 30 ft. rein.-con. deck girder, one 80 ft. and two 50 ft. steel truss and four 20 ft. rein.-con. slab spans, 20 ft. roadways, concrete substructures, on road from Neosho to Granby, Federal Aid Project 155, Newton Co., from Concrete & Steel Constr. Co., 214-223 West 3rd St., Joplin, $28,114; Kelley & Underwood, Granby, $28,441; M. E. Gilliox, Monett, $31,343. Noted Dec. 21.

Missouri—State Hy. Dept. at div. office Fredericktown, opened bids Dec. 28, one 35 ft. rein.-con. deck girder, two 50 ft. and one 140 ft. steel truss spans, 20 ft. roadways, on road from Fredericktown westward, Federal Aid Project 203A, Madison Co., from M. E. Gilliox, Monett, $44,434; Hogan & Humphreys, Little Rock, Ark. (street address not available) $49,252. Noted Dec. 21.

Missouri—State Hy. Dept. at div. office Carthage, opened bids Dec. 28, one 70 ft. and two 60 ft. rein.-con. arch spans, spandrel filled, 20 ft. roadway, 2 concrete piers, 2 concrete abutments and wing walls, over Spring River, on road from Carthage eastward, Federal Aid Project 84, Jasper Co., from M. E. Gilliox, Monett, $19,311; Concrete & Steel Constr. Co., 214-223 West 3rd St., Joplin, $19,155; Carterville Constr. Co., Carterville, $19,765. Noted Dec. 21.

Missouri—State Hy. Dept., at div. office Platte City, opened bids Dec. 29, one 70 ft. rein.-con. arch span-spandrel filled, 20 ft. roadway, on Sta. 399 plus 15, and one 30 ft. rein.-con. arch span, spandrel filled, 34 ft. roadway, over Mitchell Creek, on Sta. 199 plus 90, on road from Parkville southeastwardly, Federal Aid Project 48B, Platte Co., from Carterville Constr. Co., Carterville, $25,466; T. A. Woods Constr. Co., Smithville, $26,239; Diemer-Williamson Constr. Co., Brookfield, $29,205.

CONTRACTS AWARDED

Mass., Boston—Pub. Wks. Dept., one 110 ft. span, steel and concrete girder bridge, 100 ft. wide, over Boston & Albany R.R., Beacon St., to Phoenix Bridge Co., 110 State St., $93,404. Noted Dec. 14.

North Carolina—State Hy. Dept., Raleigh, constructing rein.-con. bridge with steel draw span over Roanoke River near Scotland Neck, known as Edwards Ferry Bridge, State Project 138 B, Northampton and Halifax Counties, to Pensacola Shipbuilding Co., Amer. Natl. Bank Bldg., Pensacola, $347,189; rein.-con. bridges and culverts on State Project 201, Carteret Co., to Batson-Cook Co., West Point, Ga., $25,000. Noted Dec. 28.

Ia., Onawa—Monona Co., Primary Bridge Projects 48 and 171, 12 box culverts, 4 culvert extensions, 1 pony truss, 1 multiple span I-Beam and 3 deck girder bridges, to Lamoreaux Bros., 805 Brandeis Theatre Bldg., Omaha, Neb., $36,857.

Minnesota—State Hy. Dept., St. Paul to Minneapolis Bridge Co., Metropolitan Life Bldg., Minneapolis, Bridge 3700 over Baudette River at Baudette, State Project 11-24, Federal Aid Project 227, five 80 ft. deck truss spans, $44,850, Bridge 3112, Beltrami Co., State Project 8-25, Federal Aid Project 57, three 75 ft. truss spans, $23,000; to Ormand & Fellard, Rochester, Bridges 3799 and 3800, over Des Moines River, Cottonwood Co., State Project 16-26, Federal Aid Project 314, 50 ft. deck girder and three 40 ft. concrete deck girder spans respectively, $9,300 and $24,355 respectively; to Wausau Iron Wks., Wausau, Wis., Bridge 3945, over Minnesota River, Le Sueur Co., State Project 5-27, Federal Aid Project 213, 400 ft., steel, $52,188; to Widell Co., Mankato, Bridge 3921, Steel Co., State Project 1-39, three 40 deck girder spans, $19,989. Noted Oct. 14 and Dec. 7.

Minn., Chaska—See "Streets and Roads."

S. D., Yankton—Meridian Hy. Bridge Co. steel superstructure for double deck bridge, 5,820 ft., incl. approaches, over Missouri River, to Bethlehem Steel Co., Bethlehem, $381,350. Noted Dec. 28.

Missouri — State Hy. Dept., Jefferson City, one 50 ft. one 60 ft. and two 70 ft. steel bridges with 20 ft. slab approaches, near Faucett, Buchanan Co., to F. E. Marsh & Co., Jefferson, Ia., $57,812. Buchanan Co., owner. Noted Dec. 21.

Missouri—State Hy. Dept. at div. office Hermann, one 200 ft. and three 95 ft. steel truss, two 35 ft. I-beam and three deck plate girder spans, 1 concrete abutment, 4 rein.-con. pile bents, 5 rein.-con. piers, 20 ft. roadway, etc., over Gasconade River at Mt. Sterling on road from Jefferson City to St. Louis, Federal Aid Project 219, Gasconade Co., to Wausau Bridge & Iron Wks., Wausau, Wis., $109,000. Noted Jan. 4.

Tex., Kaufman — Kaufman Co. grading, etc., 10.31 mi. Highway 51, from Van Zandt Co. line west from Terrell east, 24 ft., 413 cu.yd. concrete, 20,497 cu.yd. roadway and 19,251 cu.yd. borrow excav., 42,920 lb. reinforcing, 1,414 lin.ft. concrete piling, to C. W. Burgess, 501 Dallas Co. State Bank Bldg., Dallas, $23,590. Engrs. est. $25,949 incl. 10 for engineering and contingencies.

Tex., Junction—Kimble Co. grading and gravel surfacing 8.75 mi. Highway 27, 16 ft., 883 cu.yd. concrete, 41,505 cu.yd. roadway and 4,219 cu.yd. loose rock excav., 10,858 cu.yd. gravel surfacing, 73,394 lb. reinforcing steel, to W. T. Hutto & Sons, Gonzales, $48,118. Engrs. est. $52,157.

Ore., Coquille — Coos Co., steel girder draw-span over Catchny Slough, near Marshfield, to M. W. Payne, Marshfield, $23,796. Noted Dec. 7.

Bridges (Continued)

California—State Hy. Dept., Sacramento, bridge across Stony Creek, near Hamilton City, Glenn Co., to A. W. Kitchen, Piedmont, $88,238; bridge over San Francisco and Sacramento R.R. near Denverton, Solano Co., to O. B. Chaney & Sons, Acampo, $12,540. Noted Jan. 4.

B. C., Vancouver—Burrard Inlet Bridge & Tunnel Co., North Vancouver, bridge over Second Narrows, Burrard Inlet to connect Vancouver and North Vancouver, to Northern Constr. Co., Ltd., 736 Granville St., $1,250,000. McClintic-Marshall Constr. Co., Oliver Bldg., Pittsburgh, withdrew their contract. Noted Aug. 31.

Dams

PROPOSED WORK

N. Y., Hornell—City and State plan damming Canisteo River to eliminate flood danger. $400,000. F. H. Robinson, city engr.

Wash., Kettle Falls—See "Industrial Works."

Wash., Yakima — City having surveys made dam at Rattlesnake Creek, pipe line, etc. C. F. Wilson, Yakima, engr. Noted Dec. 7.

Calif., Scales—See "Excavation, Drainage, Irrigation."

Ont., Ottawa—N. Cauchon, chn. Ottawa Town Planning Comn., plans dam above Lemieux Island in Ottawa River, to develop 30,000 hp. N. H. H. Lett, city clk.

BIDS DESIRED

Que., Megantic—Jan. 22, by D. L. Lippe, clk., concrete dam and other works. $75,000. J. O. C. Mignault, 24 Sanborn St., Sherbrooke, engr.

Railways

PROPOSED WORK

New York—Black River Traction Co., 753 West Main St., Watertown, plans extending trackage system to cover northeast section of city. $40,000-$50,000. Address L. Schmerzman, Main St. W., Watertown.

North Carolina—Seaboard Air Line Ry., Royster Bldg., Norfolk, Va., and Carolina Power & Light Co., Raleigh, (street address not available), plan 1½ mi. spur line from point on Seaboard Air Line Ry. near Moncure, to point on Cape Fear River, near Brickhaven, at which point Carolina Power & Light Co. will construct large steam plant. $30,000. W. D. Faucette, ch. engr. of Seaboard Air Line Ry. P. A. Tillery, genl. mgr., Carolina Power & Light Co.

Montana—Brook-Scanlon Lumber Co., Libby, having surveys made by M. D. Mohler, engr., Libby, for 6 mi. standard gauge logging railroad between Libby and Eureka. $65,000.

Washington — See "Industrial Works" under Kettle Falls.

Ontario—Ratepayers of Ottawa voted to purchase civic street railway now owned by Ottawa Electric Co., and plan to expend $1,500,000 for 17 mi. single track, carbarns and 47 new cars. N. H. H. Lett, Ottawa, city clk.

Ontario—Temiskaming & Northern Ontario Ry., North Bay, having estimates made for 6-20 mi. branch line from either Englehart or Swastika Sta. eastward to Kirkland Lake and Larder Lake mining districts and possibly further east, 80 lb. rails, wood ties, gravel ballast. $300,000 to $1,000,000. S. B. Clement, North Bay, ch. engr.

CONTRACTS AWARDED

Ontario—Canadian Natl. Ry., 407 Old Union Sta., Toronto, 29½ mi. single track, steam railroad connecting Canadian Natl. Ry., with Natl. Transcontinental Ry., near Nakina, known as Long Lake cut off, incl. grading, clearing, gravel ballast, 80 lb. rails, etc., to Foley, Welch & Stewart, Ltd., 739 Hastings St. W., Vancouver, B. C. Noted Nov. 23.

Excavation, Drainage, Irrigation

PROPOSED WORK

Fla., Bradentown — Defeated $50,000 bonds for excavating Manatee River and filling in 7 acres. Kirley & Myler, Bradentown, engrs. Noted Nov. 23.

Mo., Alexandria—Des Moines & Mississippi Levee Dist. 1, Clark Co. (Kahoka) had plans prepared 36 mi. ditches, 0.7 mi. levees, 352,000 cu.yd. earth excav. incl. pumping plant. C. Wiegner, Memphis, Mo., ch. engr. Morgan Engr Co., Goodwin Institute, Memphis, Tenn., consult. engrs. Noted Nov. 2.

Calif., Oakdale—Oakdale Irrigation Dist. plans election to vote on $200,000 or more bonds, for canal enlargements, etc. R. E. Hartley, Oakdale, engr.

Calif., Scales — Peer & Berkey, represented by J. P. Sweeney, Nevada Bank Bldg., San Francisco, plans 4.51 mi. of 60 in. riveted steel pipe line, 56,100 linft. earth and rock canals, 2 concrete diversion dams, 20 ft. high, 100 ft. long, several concrete storage dams, power plants developing 36,000 hp. using impulse wheels direct connected to generators, fall of 1,330 ft. 250 sec.ft. through penstocks.

B. C., Penticton—See "Miscellaneous."

BIDS DESIRED

Md., Baltimore — Feb. 7, by Bd. of Awards at office of City Register, City Hall, dredging and making fill at proposed McComas St. bulkhead, Contr. 1, 1,300,000 cu.yd. excav. B. Hill, harbor engr. A. E. Christhilf, ch. engr.

Minn., Olivia—Jan. 22, by A. O. Schmidt, aud. Renville Co., Co. Ditch 85A, 7 mi. open ditch, 267,861 cu. yd. excav., $48,215; 228,200 lin.ft. 5-24 in. tile, $88,161. E. L. Chamberlain, Olivia, engr.

BIDS RECEIVED

N. Y., Brooklyn—E. Riegelmann, boro pres., Boro Hall, opened bids Jan. 3, dredging Fresh Creek from head of Fresh Creek Basin to channel of Jamaica Bay, from Wilm & Quinlivan, 2 Rector St., New York, $0.5803 per cu. yd.; Gull & Finlay, $1.2305. Noted Dec. 28.

CONTRACTS AWARDED

N. J., Jersey City—Pennsylvania R. R., Broad St. Sta., Phila., removing 20,000 cu. yd. rock and 500 cu.yd. earth, here, to H. S. Kerbaugh Co., 11 East 43rd St., New York City. $200,000.

Wis., Green Bay—Hotel Wisconsin Co., c/o W. Schroeder, 86 Michigan St., Milwaukee, excavating and wrecking for 9 story and basement, 130 x 160 ft., brick and concrete hotel, plain foundation, to L. M. Hansen Co., 113 West Walnut St.

Ore., Redmond—Central Oregon Irrigation Dist. 12 ft. creosoted wood flume to Continental Pipe Co., 211 Lewis Bldg., Portland, $61,664; foundations for flumes, Sect. 1, pedestals for 4 post bents, Sects. 1-A, and substructures for flume, Sect. 2-C, to Warren Constr. Co., Craig Rd., Portland, $70,960; transitions and canal lining, Sect. 4, intake, Sect. 5, to Inland Constr. Co., Ry. Exch. Bldg., Portland, $20,559. Total $153,183.

Streets and Roads

PROPOSED WORK

N. Y., Binghamton—Plans paving 1,500 ft. Park Ave., 3,000 ft. State St. and 1,000 ft. of various streets. W. E. Weller, city engr.

N. Y., Canandaigua — Plans paving Telyea and Adelaide Sts., et. al. $110,413. Engineer not announced.

N. Y., Hornell—Plans new paving. $100,000. F. H. Robinson, city engr. Noted Aug. 2.

N. Y., New York—J. Miller, pres. Manhattan Boro, Municipal Bldg., rejected bids repaving Canal St. also flagging, reflagging and paving West 190th St., granite block. Noted Dec. 21.

N. Y., Niagara Falls — Plans asphalt pavement on portions of Main St. between James St. and city line, $10,000; Sugar St. overhead crossing $15,000; repaving Pierce Ave., various materials, $63,560 based on granite or wood block. W. Bennett, city engr.

N. Y., Rochester—See "Bridges."

N. Y., Watertown—Plans new asphalt paving. $40,000-$45,000. P. B. Sutton, city engr.

Pa., Erie—Plans asphalt pavement on State St. from Mill Rd. to Glenwood Park. $60,000; 28th St. from Raspberry St. to Elmwood Ave., $11,300; also 8 in. tile sewers in 32nd St., $2,300. Patterson St., $2,300, and 12th St., $2,000. F. G. Lynch, city engr.

Pa., Greenville — Plans paving South Mercer, West Main and North High Sts., to exceed $30,000. A. Clarke, city engr.

N. C., Greenville—Pitt Co. plans paving 7 mi. road from Greenville to Cox Mill, concrete or asphalt. $200,000. J. B. Harding, Greenville, engr.

Ohio—Dept. Highways and Pub. Wks., Columbus, rejected bids opened Dec. 29, grading, bridging and paving 3.965 mi. Sect. "R" Dayton-Greenville Rd., Montgomery Co. Noted Jan. 4.

O., Canton—Stark Co. takes bids about Jan. 25 grading and paving 1.72 mi. Sect. "B" Canton-Sherman Church Rd., 16 ft., 13,110 cu.yd. unclassified earth excav., 16,655 sq.yd. bituminous macadam $53,990, 16,655 sq.yd. 4 in. brick $77,807. 17,663 sq.yd. 5 in. combination base and curb brick top $83,432; 5.3 mi. Navarre-Richville Rd., 18 ft., 44,000 cu.yd. unclassified earth excav., 56,383 sq. yd. vitr. brick or monolithic brick, 6 in. concrete base with combination curb, $261,445. G. S[illegible]oose, co. surv. Noted Dec. 7.

O., Cleveland — Takes bids in spring, **grading, curving and paving** Archwald, Bessemer, Central, Argus, Corlett, Curtiss, Damon, Dar[illegible] Eagles-mere, Elk, Gray, Grovewood, [illegible]ss, Henritze, Hlavin, Hoy, Hamilton, Idurose, Iroquois, Jesse, Lamont, Lorain, Lamontier, Linton, Maryland, Mayview, Maplesde, Oakwood, Oakview, Oak Park, Schade, Scovitt and Shaw Aves., Arbor, Broadview, Bosworth, Glenside, London, Rosecliff and Spring Rds., Beyerle Pl. from Beyerle to Independence Rds., Beyerle Pl. from Sykora Ave. to Beyerle Pl., Cypress Ave. from West 28th to West 35th Sts., Cypress Ave. from Pearl Rd. to West 35th St. $800,000. R. Hoffman, City Hall, engr.

O., Cleveland Heights (Warrensville, P. O.)—Takes bids in spring paving various streets, brick, asphalt and concrete. $500,000. F. A. Pease Eng. Co., Marshall Bldg., Cleveland, engrs.

O., Dayton—City and Montgomery Co. plan paving 1 mi. Brandt Pike from end of **paving to Valley St.,** 20 ft., 11,000 sq.yd. brick $38,000, wood block $44,000 or Kentucky rock asphalt $31,000. W. O. Pease, co. surv.

Ind., Peru—Plans paving with either concrete, asphalt, wood block or brick, 5,300 ft. 5th St., 36 ft., 20,476 sq.yd. pavement, 7,973 lin.ft. concrete curbing, 7,973 lin.ft. concrete gutter, 1,620 ft. cement sidewalk, 860 ft. stone headers, 1,023 ft. 15 in. sewer pipe, 635 ft. 12 in. sewer pipe, 9 drop inlets, 13 manholes, 18 catch basins, 3,960 sq.ft. alley paving. $96,751. E. E. Phillips, Peru, engr.

Mich., Detroit—Plans prepared for paving 3½ in. sheet asphalt on 8 in. concrete, 6,600 sq.yd. Calvert Ave. from Linwood Ave. to Dexter Blvd., 26 ft., $39,700; 5,500 sq.yd. Margaret Ave. from Woodward Ave. to John R St., 26 ft., $33,350, 6 alleys with one course 6 in. concrete, totaling $18,640. J. W. Reid, city engr.

Mich., Kalamazoo—Kalamazoo Co. Rd. Comn. had plans prepared grading and paving 1½ mi. Indian Reserve Line Rd., bituminous concrete or one course cement concrete. $30,000.

Ill., Chicago — Bd. Local Impvts., City Hall, soon receives bids paving Randolph St. $418,000. C. D. Hill, city engr.

Ill., Troy—Plans reconstruction ¾ mi. Market St., 30 ft. $40,000. R. L. Dawson, mayor.

Wisconsin—Following are county appropriations for state and county aid road and bridge construction during 1923. Washburn Co. $39,799, J. R. Allen, Spooner, comr.; Iron Co. $57,951, W. Weber, Saxon, comr.; Lincoln Co. $100,979 H. H. Huehling Merrill, comr.; Sauk Co. $247,903, W. Halbersleben, Baraboo, comr.; Dane Co. $496,347, E. J. Smith, Madison, comr.; Rock Co. $389,640, C. E. Moore, Janesville, comr.; Juneau Co. $50,606, A. V. Robinson, New Lisbon, comr.; La Crosse Co. $574,234, J. Hintgen, La Crosse, comr.; Waukesha Co. $617,891, C. J. Hahn, Waukesha, comr.; Buffalo Co. $168,041, J. Reinhardt, Nelson, comr.; Oneida Co. $98,159, B. L. Horr, Rhinelander, comr.; Vilas Co. $42,707, W. F. Hunter, comr.; Calumet Co. $55,958, J. A. Gillis, Chilton, comr.; St. Croix Co. $82,278, J. Caffrey, Hammond, comr.; Pierce Co. $51,133, C. F. Kenall, Ellsworth, comr.; Green Co. $642,893, C. J. Smith, Monroe, comr.; Dodge Co. $2,175,000, E. T. Klug, Juneau, comr.

Ia., Harlan — Making plans paving 25 blocks. $75,000. H. E. Swain, clk.

Ia., Le Mars—Making plans paving 60 blocks. $200,000. J. A. Cook, clk.

Ia., Marshalltown—Making plans paving 39 blocks, concrete, asphalt or vibrolithic concrete. $117,000. O. G. Herm, city engr.

Ia., Storm Lake—Making plans paving ¾ mi. road from Hudson St. east to city limits. $25,000. V. Flindt, city engr.

Minn., St. Paul—Plans paving 3½ mi. Phalen Blvd. around Lake Phalen. $178,000. H. C. Wenzel, comr. of parks, playgrounds and public buildings.

Neb., Omaha — Take bids in about 2 weeks, paving and curbing 70 Districts, asphalt, stone, artificial stone, asphaltic concrete, macadam, creosoted wood block, vitr. brick, vitr. brick blocks and concrete, stone curbing. $200,000-$300,000. H. Beal, city engr.

South Dakota—State Hy. Dept., Pierre, takes bids in next few months, 9 mi. Federal Aid Project 121, Beadle Co., $57,772. 13 mi. Project 113, Bon Homme Co., $79,263, 16.4 mi. Project 89, Brookings Co., $100,870, 14.5 mi. Project 105, Brown Co., $80,456, 9 mi. Project 131, Campbell Co., $26,719, 6.11 mi. Project 124, Codington Co., $39,459, 16.13 mi. Project 92, Day Co., $86,009, 10 mi. Project 122, Deuel Co., $59,763, 10.9 mi. Project 119, Grant Co., $44,539, 6.8 mi. Project 117, Haakon Co., $38,760, 12.8 mi. Project 127, Sully Co., $37,-

Streets and Roads (Continued)

176, 15 mi. Project 116, Hutchinson Co., $99,380, 12 mi. Project 125, McCook Co., $87,166, 10 mi. Project 132, McPherson Co., $29,013, 9 mi. Project 100, Pennington Co., 400, 5.29 mi. Project 128, Moody Co., $44,689, 7.66 mi. Project 118, Lyman Co., $21,599, bridge on Project 118, Lyman Co., $18,400. F. D. Hudgins, ch. engr.

S. D., Sioux Falls—Plans paving 9 blocks n 14th St. and 3½ blocks in 6th St. $50,-000. S. B. Howe, city engr.

N. D., Wahpeton — Plans paving 37 blocks. $111,000. S. H. Murray, city clk.

Montana—State Hy. Dept., Helena, plans following work in 1923, gravel surfacing 7 mi. from Dixon west, $50,000, 12 mi. McDonald-Knowles Rd. $83,000, both Sanders Co.; 13 mi. Pablo-Rollins Rd. $200,000, Flathead Co. J. N. Edy, ch. engr.

Missouri—State Hy. Dept., Jefferson City, rejected bids opened Dec. 2, 4.934 mi. gravel surfacing 4.482 mi. road from Jefferson Co. line to Bloomsdale, 16 ft., State Project Route 25 Sect. 5, St. Genevieve Co. also 3.53 mi. road west of Bethany, 18 ft., State Project Route 4 Sect. 24, Harrison Co. Noted Nov. 9.

Missouri — State Hy. Dept., Jefferson City, rejected bids opened Dec. 2, 4.934 mi. road from Franklin Co. line east, 18 ft., State Project Route 14, Sect. 76, St. Louis Co.; 2.244 mi. road near Ballurn westwardly, 18 ft., State Project Route 14, Sect. 77, St. Louis Co.; 3.35 mi. road east of Danville, 18 ft., State Project Route 2, Sect. 57, Montgomery Co.; 1.891 mi. road from Macon south, 16 ft., State Project Route 7, Sect. 21, Macon Co.; 3.548 mi. road east and west through Beaufort, 16 ft., State Project Route 12, Sect. 52, Franklin Co.

Mo., St. Louis—Soon takes bids reconstructing 1,725 ft. Shaw Ave. from Grand Blvd. to 39th St., 30 ft., 3,450 lin.ft. concrete curb, 6,750 sq.yd. asphalt on concrete. $26,700. W. W. Horner, City Hall, engr.

Tex., Cameron—Election soon to vote on $100,000 bond issue improvement of Hall and McKeown Sts. U. S. Hearell, mayor.

Tex., Coleman—Talpa Precinct of Coleman Co. voted **$30,000 bonds for road from** Valera to Runnels Co. line. W. E. Dickerson, co. engr.

Tex., Columbus—Colorado Co. election Jan. 27, to vote on $100,000 bond issue for construction State Highway 3-D, between here and Weimar. B. H. Faber, co. engr.

Tex., Ft. Worth—Voted $800,000 bonds for new pavements. D. L. Lewis, city engr.

Tex., Franklin — Robertson Co. voted $200,000 bonds for new roads. L. Acker, Nacogdoches, engr.

Tex., Hemphill—Rd. Dist. 10 of Sabine Co. voted $90,000 bonds for hard surfaced road connecting Kings Highway with Jasper Co. line. Formal application for state and federal aid to be submitted, to supplement county funds. W. A. French, San Augustine, co. engr.

Tex., Mt. Pleasant — Titus Co. making plans grading and gravel surfacing 4.17 mi. State Highway 1-A, 16 ft. $30,000. H. S. Wilder, co. engr.

Tex., Nacogdoches—Voted $225,000 bond issue for repaving streets in business section and paving 6-7 mi. of residential streets. W. I. Baker, mayor.

Tex., Palestine—Jan. 20 to vote on $78,-000 bond issue for paving streets. A. L. Bowers, mayor.

Okla., Tulsa — Tulsa Co. having plans prepared road work. Plan to vote on $2,-000,000 bonds. D. W. Patton, Court House Bldg., engr.

Wash., Endicott—Feb. 6, to vote on $50,000 bonds for street work.

Wash., Spokane—Having surveys made paving 2 mi. North West Blvd. to Nine Mile Highway, 20 ft. $25,000. A. Butler, City Hall, city engr.

Calif., Piedmont—See "Miscellaneous."

Calif., Redwood City—Having plans prepared concrete paving and construction several concrete bridges on Jefferson Ave. from State Highway to west city limits. 30 ft. wide. To exceed $25,000. C. L. Dimmitt, city engr.

Calif., San Diego—Had plans prepared improving Imperila, Clinton, Wabash, Superba, Gilmore Sts., etc., 15,352 cu.yd. earth excav., 8,993 cu.yd. earth embankment, 20,662 lin.ft. concrete curb, 101,100 sq.ft. concrete walks, 2,115 sq. ft. concrete gutters, 432 lin.ft. 12 in., 880 lin.ft. 15 in. and 178 lin.ft. 24 in. corrugated culvert, etc.; Ampudia St. and Ft. Stockton Dr., 1,037 cu.yd. earth excav., 175 cu.yd. earth embankment, 22,308 sq.ft. 1½ in. asphaltic concrete on 2½ in. bituminous base, 4,490 sq. ft. concrete walks, 903 lin.ft. concrete curb. F. A. Rhodes, city engr.

Calif., San Diego—San Diego Co. election Jan. 26, to vote on $600,000 bonds to complete 53.95 mi. county highway system. E. R. Childs, co. surv.

Calif., San Francisco—City and San Francisco Co. received no bids improving Buchanan St., etc. Will re-advertise. M. M. O'Shaughnessy, city engr. Noted Nov. 16.

Calif., Santa Cruz—Had plans prepared improving portion Woodrow Ave., 43,065 sq.ft. 5 in. concrete pavement, 43,065 sq. ft. grading to subgrade, etc. J. K. James, city engr.

Calif., Tulare—Soon take bids improving portions Tulare and Salida Sts., 2,609 cu.yd. excav., 6,535 lin.ft. concrete curbs, 5,989 sq. ft. concrete gutter, 6,276 sq.ft. sidewalks, 145,815 sq.ft. 1½ in. warrenite bitulithic on 2½ in. asphaltic concrete, etc. R. M. Berryhill, city engr. Noted Nov. 16.

Calif., Visalia—Tulare Co. had surveys made 9½ mi. auto road east of Three Rivers. L. A. Moye, co. surv.

Quebec — Provincial Dept. Highways, Quebec, takes bids in February, 48 mi. macadam road between Lachute and St. Jovite. M. Nectkar, ch. engr.

Ont., Hamilton—Plans asphalt pavement on Cumberland Ave. $50,000. E. R. Gray, city engr.

Ont., Kitchener — Plans paving work. $50,000. L. O. Breithaupt, mayor, chn. com.

Ont., Listowel—Preparing plans and will probably take bids in March, 1½ mi. cement highway. $90,000. A Bolton, city engr.

British Columbia—Provincial Government, Victoria, appropriated $1,326,500 for new roads in following towns and cities: Alberni $47,500, Atlin $35,000, Cariboo $71,000, Chilliwack $34,500, Columbia $38,700, Comox $58,500, Cowichan $40,500, Cranbrook $50,500, Delta $21,500, Dewdney $40,000, Esquimalt $29,000, Fernie $35,000, Fort George $75,500, Grand Forks $23,500, Greenwood $24,000, Islands $33,000, Kamloops $76,000, Kalso $33,000, Lillooet $55,600, Nanaimo $13,000, Nelson $2,500, Newcastle $21,500, New Westminster $1,800, North Okanagan $52,000, North Vancouver $21,000, Omineca $77,000, Prince Rupert $63,000, Revelstoke $35,500, Richmond $10,000, Rossland $7,000, Saanich $6,000, Similkameen $41,000, Slocan $28,000, South Okanagan $33,000, South Vancouver $8,900, Trail $39,500, Yale $43,000. W. H. Sutherland, minister pub. wks.

BIDS DESIRED

N. Y., Brooklyn—Jan. 18, by Park Bd. at office Dept. Parks, Municipal Bldg., New York, grading and sheet asphalt paving, etc., Bay Parkway from 78th St. to Gravesend Bay, here. F. D. Gallatin, pres.

N. Y., Cortland—Jan. 15, by F. B. Gilbert, deputy comr. of Education, Education Bldg., Albany, grubbing, clearing, laying sewers, paving and other improvements to grounds at State Normal and Training School, here; adv. this issue.

West Virginia—Jan. 30, by State Rd. Comn., Charleston, grading 6 mi. Project 3052, Raleigh Co., 8.3 mi. Project 3182 B, Pocahontas Co., 2 mi. Project 3171, Pocahontas Co., 5.3 mi. Project 3045 B, Monroe Co., 2.25 mi. Project 3091, Boone Co., 5 mi. Project 3074 D, Jackson Co., 3 mi. Project 3167 A, Marshall Co., 5 mi. Project 3163, Tyler Co., 3.5 mi. Project 3203 A, Preston Co., 7.2 mi. Project 3184, Barbour Co., 5 mi. Project 3147, Hampshire Co., 5 mi. Project 3198, Morgan Co., 12.5 mi. Project 122 B and C, Grant Co., 5 mi. Project 3175, Pendleton Co., 3.5 mi. Project 3148, Hardy Co.; grading and paving 8 mi. Project 127, Greenbrier Co., 1 mi. Project 47 S, Wetzel Co., 2.8 mi. Project 3187, Marion Co., 7 mi. Project 3036, Jefferson Co.; constructing Amigo Bridge 833, Project 3133, Raleigh Co., Hartland Bridge 805, Project 3037, Clay Co., Heath Bridge 873, Project 3155, Cabell Co., Burlington Bridge 735, Project 3010, Mineral Co. E. B. Carskadon, secy.; adv. this issue.

W. Va., Harrisville—Feb. 5, by Comrs. Ritchie Co., grading 3.1 mi. Harrisville-Pullman Rd., Sect. 2, 21,000 cu.yd. unclassified excav., 227 cu.yd. concrete, 4,200 lb. reinforcing, 1,846 lin.ft. 12-36 in. rein.-con. bell and spigot pipe. D. W. Shock, co. engr.

North Carolina—Feb. 1, by State Hy. Comn., Raleigh, constructing 20.55 mi. State Project 555, Randolph and Montgomery Counties, 30 acres clearing, 96,100 cu. yd. common and 1,900 cu.yd. rock excav., 2,826 ft. 18-30 in. concrete pipe, 54,300 cu. yd. topsoil, 545 cu.yd. concrete, 30,000 lb. reinforcing, $70,000; 6.94 mi. State Project 429 Granville Co., 43,000 cu.yd. common excav., 1,024 ft. 18-24 in. concrete pipe, 73,200 sq.yd. concrete or asphaltic paving, 362 cu.yd. concrete, 26,770 lb. reinforcing, etc. $224,000; 19.31 mi. State Project 155 B Pitt and Martin Counties, 25,200 cu.yd. common excav., 180,000 sq.yd. concrete or asphaltic paving, $500,000; 14.96 mi. State Project 163, Nash Co., 20,500 cu.yd. common excav., 139,360 sq.yd. concrete or asphaltic paving, $390,000; 15.22 mi. State Project 363, Onslow Co., 76 acres clearing, 52,400 cu.yd. common excav. 118,800 cu.yd. borrow, 1,700 ft. 18 to 30 in. concrete pipe, 129 cu.yd. concrete, 40,000 cu.yd. topsoil or gravel surfacing, $100,000; 9.04 mi. State Project 486, Wake Co., 9 acres clearing, 53,100 cu.yd. common excav., 109 cu.yd. concrete, 2,050 ft. 18-24 in. concrete pipe, 23,900 cu.yd. topsoil or gravel surface, $36,-000; 11.67 mi. State Project 512, Caswell Co., 23 acres clearing, 63,900 cu.yd. common excav., 185 cu.yd. concrete, 2,274 ft. 18-24 in. concrete pipe, 30,850 cu.yd. topsoil, 7,360 lb. reinforcing, $44,000; 8.94 mi. State Project 273, Sampson Co., 46,600 cu. yd. common excav. and borrow, 1,074 ft. 18-30 in. concrete pipe, 83,920 sq.yd. waterbound macadam 427 cu.yd. concrete, 26,680 lb. reinforcing, $134,000; 19.43 mi. State Project 107, Bertie Co., 53 acres clearing, 114,900 cu.yd. common excav. and borrow, 2,000 ft. 18-30 in. concrete pipe 169 cu.yd. concrete $53,000; 7.34 mi. State Project 671, Rowan Co., 10 acres clearing, 66,700 cu.yd. common excav., 1,764 ft. 18-30 in. concrete pipe 90 cu.yd. concrete 77,180 sq. yd. concrete or asphaltic paving, $237,000; 11.63 mi. State Project 815, Burke Co., 37 acres clearing, 80,000 cu.yd. common excav. 1,000 cu.yd. drainage ditches, 13,300 cu.yd. rock excav., 4,210 ft. 18-30 in. concrete pipe, 245 cu.yd. concrete 31,100 cu.yd. topsoil, etc., $90,000. C. M. Upham, state highway engr.

N. C., Charlotte—Jan. 23, by Bd. Comrs., 45,000 sq. yd. concrete sidewalk and 210,-000 sq. yd. paving. J. Firth, city engr. W. S. Stancill, comr. pub. wks.; adv. this issue.

N. C., Red Springs — Mayor receiving bids and opens same about Jan. 31, paving Main St. and probably other streets, sheet asphalt on concrete, to exceed $25,000. W. M. Piatt, Durham, engr.

Fla., Zephyrhills—Jan. 30, by City Council, grading, curbing and paving 7,000 yd. various streets, alternate bids on asphalt, brick, cement, etc. $30,000. E. V. Camps and Associates, Moreland and De Kalb Aves., Atlanta, Ga., engrs.

Alabama—Feb. 2, by W. S. Keller, state highway engr., Montgomery, grading and gravel surfacing 6.68 mi. Ozark-Dothan Rd., Federal Aid Project 109, Dale Co., 3 acres clearing, 42,634 cu.yd. common excav., 894 sta.yd. overhaul on excav., 17,640 cu.yd. gravel surfacing within 1 mi., 200,500½ mi. units overhaul on gravel surfacing, 481 lin.ft. 15-24 in. pipe, 138 cu.yd. concrete, 7,784 lb. reinforcing, etc.

Ind., Boonville—Jan. 20, by City Clerk, concrete or asphalt paving 3,800 ft. 4th St., 45 ft., 18,990 sq.yd. asphalt or concrete on concrete, 7,600 lin.ft. concrete curbing, 7,590 lin.ft. concrete gutter. $50,000.

Ind., Mount Vernon—Feb. 6, by Auditor Posey Co., grading and graveling 2.78 mi. J. P. Weiss Rd., 20 ft. $25,816. L. Rowe, Mount Vernon, engr.

Michigan—Feb. 1, by F. F. Rogers, state highway comr., at office Co. Rd. Comrs., St. Ignace, grading and surfacing 13 mi. Federal Aid Project 80, Sects. C, D and G, Mackinac Co., incl. 57,000 yd. excav., 137,-700 sq.yd. surface.

Ill., Posen (Harvey P. O.)—Jan. 16, for 290,000 sq.ft. portland cement concrete sidewalks, in five contracts varying from 14,-000 to 105,000 sq.ft. E. Hancock, 2047 Ogden Ave., Chicago, engr. Noted Dec. 28.

Wis., Elkhorn—Jan. 16, by H. J. Peters, highway comr. Walworth Co., grading 1.6 mi. Burlington-Elkhorn Rd., State Highway 20, 22,070 cu.yd. earth excav., 120 cu. yd. concrete in culverts. Wisconsin Highway Comn., Madison, engrs.

Wis., Racine—Jan. 20, by W. A. Bechthold, highway comr., Racine Co., concrete surfacing, etc. Union Grove, 12th St. Rd., 18 ft., 9,916 cu.yd. earth excav., 37,000 sq. yd. concrete surfacing. 81.05 cu.yd. concrete in culverts and bridges. Wisconsin Highway Comm., Madison, engrs. Noted Dec. 21.

Ia., Dyersville — Jan. 25 paving 52 blocks, 54,390 sq.yd. 7 in. one course concrete, 7 in. vibrolithic, brick or sheet asphalt on concrete, 20,000 lin.ft. concrete curb and gutter, 900 lin.ft. ft. storm sewer, etc., $170,000. N. B. Barber, 228 West 4th St., Waterloo, engr. Noted Dec. 28.

Calif., Crescent City—Jan. 22, by City Clerk, improving various streets, 15,335 cu.yd. grading excav., 201,800 sq.ft. grading surface, 158,000 sq.ft. rebuilt asphalt macadam, 201,800 sq.ft. new asphalt macadam, 13,960 lin.ft. concrete curb, 39,200 sq.ft. concrete gutter and concrete valley, 670 lin.ft. 12 in. c. i. pipe outfall sewer, 1,770 lin.ft. 12 in., 1,200 lin.ft. 10 in., 1,200 lin.ft. 8 in. and 9,186 lin.ft. 6 in. vitr. pipe sewer, 449 lin.ft. 10 to 24 in. corrugated iron pipe culvert, 466 lin.ft. 18 to 30 in. corrugated iron segment culvert, etc. C. C. Kennedy, Call Bldg., San Francisco, engr. Noted Dec. 28.

Streets and Roads (Continued)

BIDS RECEIVED

N. Y., Brooklyn—Park Bd. at Office Dept. Parks, Municipal Bldg., New York, opened bids Jan. 4, improving Bay Parkway from 59th to 78th Sts., here, from Brooklyn Alcatraz Asphalt Co., 407 Hamilton Ave., $112,224; Cranford Co., 52 9th St., $116,317; Borough Asphalt Co., 1301 Metropolitan Ave., $117,549. Noted Dec. 28.

N. Y., Long Island City—M. E. Connelly, pres. Queens Boro, Queens Subway Bldg., opened bids Dec. 26, curbing, laying sidewalks and paving (1) 48th St. (2) McKinley Ave., curbing, laying sidewalks and receiving basins in (3) Edsall Ave., paving (4) Olmstead Pl., sheet asphalt; grading, curbing and laying sidewalks on (5) Linden St., from Cleveland Trinidad Paving Co., Flushing, (1) $19,073 (2) $7,287 (4) $6,565; Borough Asphalt Co., 1301 Metropolitan Ave., Brooklyn, (1) $20,466 (2) $6,757 (4) $6,029; Sicilian Asphalt Paving Co., 41 Park Row, New York, (1) $21,744; W. P. McDonald Constr. Co., 17 West 42nd St., New York, (2) $6,579 (4) $5,915; Soviero & Britten, 10111 114th St., Richmond Hill, (3) $3,759 (5) $2,619; C. Kurth 9519 126th St., Richmond Hill, (3) $3,893 (5) $2,616; E. Block, (3) $3,913; Welsh Bros. Contg. Co., 32 Queens St., (5) $2,546. Noted Dec. 21.

Ohio—Dept. Highways and Pub. Wks., Columbus, opened bids Jan. 5, grading, bridging and paving roads in (1) Cuyahoga Co., Sects. A and B Solon-Willoughby and Chagrin Falls-Cuyahoga Falls Rds., 2.52 mi. (2) Summit Co., Sect. "I" Cleveland-Massillon Rd., 1.49 mi. (3) Summit Co., Sect. "J" Cleveland-Massillon Rd., 2.7 mi. (4) Summit Co., Sect. "K" Cleveland-Massillon Rd., 3.44 mi. (5) Summit Co., Sect. "L" Cleveland-Massillon Rd., 1.7 mi. (6) Summit Co., Sect. "M" Cleveland-Massillon Rd., 139 mi. (all Summit Co. work to be let as one job) with (a) brick (b) reinforced. (c) bituminous concrete oil (d) reinforced. lake (e) warrenite bitulithic, from Ohio Contg. Co., Elyria (street address not available), (1a) $157,351 (1b) $122,885 (1c) $144,901; McHugh Bros., Springfield (street address not available), (1a) $160,278 (1b) $125,281; Freshwater Constr. Co., Natl. Bldg., Cleveland, (1a) $158,827 (1b) $126,631 (1d) $155,200 (1e) $159,900; Smith Constr. Co., Youngstown (street address not available), (1c) $137,138; Highway Constr. Co., 309 Lorain Co. Bank Bldg., Elyria, (1c) $152,111 (1e) $163,659 (2c) $77,221 (3c) $116,661 (4c) $158,860 (5c) $74,119 (6c) $73,313; Cleveland Trinidad Paving Co., The Arcade, Cleveland, (1e) $164,525; Acme Constr. Co., Louisville, Ky. (street address not available), (2c) $62,974 (3c) $94,651 (4c) $129,440 (5c) $58,489 (6c) $60,981; T. E. McShaffrey Co., Forge St., Akron, (2c) $75,912 (3c) $113,938 (4c) $155,762 (5c) $72,412 (6c) $72,093; Dorsey Constr. Co., Findlay, (2a) $80,173 (3a) $123,467 (4a) $166,391 (5a) $77,274 (6a) $76,061. Noted Dec. 28.

Missouri—State Hy. Dept., Jefferson City, (1) road from Charleston to New Madrid, Federal Aid Project 198A, Mississippi Co., (a) 18,337 cu.yd. earth excav. (b) 6,995 cu. yd. borrow (c) 54,695 sq. yd. 1 course plain concrete (d) 49,916 sq. yd. gravel pavement (2) road from Charleston to Wolf Island, Federal Aid Project 198B, Mississippi Co., (a) 30,831 cu. yd. earth excav. (b) 18,277 cu. yd. borrow (c) 78,335 sq. yd. 1 course plain concrete (d) 60,615 sq. yd. gravel surfacing, etc., from R. L. Williams, Wyatt, (1a) $0.40 (1b) $0.40 (1c) $2.80 (1d) $0.70 total $201,062 (2a) $0.40 (2b) $0.40 (2c) $3 (2d) $0.70 total $322,084; Keeley Bros. Contg. Co., 2100 State St., East St. Louis, Ill., (1a) $0.40 (1b) $0.40 (1c) $2.69 (1d) $1.20 total $216,354 (2a) $0.50 (2b) $0.70 (2c) $2.82 (2d) $1.19 total $353,794.

Missouri—State Hy. Dept. at div. office Fredericktown, opened bids Dec. 27, 6.519 mi. road from Fredericktown, westward, 12 ft., Federal Aid Project 203A, Madison Co., (1) 27,080 cu.yd. earth excav. (2) 8,473 cu.yd. rock excav. (3) 28,881 cu.yd. borrow, (4) 45,945 sq.yd. gravel pavement, etc., from M. E. Gillioz, Monett, (1) $0.45 per cu.yd. (2) $2.25 (3) $0.35 (4) $0.50, total $79,739; Hogan & Humphreys, Little Rock, Ark. (street address not available) (1) $0.45 (2) $2 (3) $0.45 (4) $0.50, $80,805. Noted Dec. 21.

Missouri—State Hy. Dept. at div. office Ironton, opened bids Dec. 22, (1) 7,197 mi. road from Bruel east and west, 12 ft., Federal Aid Project 193A, Iron Co., (a) 31,187 cu.yd. earth excav. (b) 1,253 cu.yd. rock excav. (c) 13,960 cu.yd. borrow (d) 51,192 sq.yd. gravel surfacing, etc. (2) one 50 ft. rein.-con. arch, spandrel filled, one 20 ft. rein.-con. slab, one 100 ft. steel truss and one 30 ft. rein.-con. deck girder spans, 18 ft. roadways, concrete abutments, on above road, from J. P. Sparks, Kirkwood, (1a) $0.45 (1b) $2 (1c) $0.45 (d) $0.40, total $60,472 (2) $19,171. Noted Dec. 14.

Missouri—State Hy. Dept., at div. office Marble Hill, opened bids Dec. 27, (1) 4.943 mi. road from Marble Hill southward, 12 ft., Federal Aid Project 208A, Bollinger Co., (a) 53,914 cu.yd. earth excav. (b) 1,393 cu.yd. rock excav. (c) 4,499 cu.yd. borrow (d) 34,720 sq.yd. gravel surfacing, etc. (2) 16,869 mi. road from Marble Hill to Patton, 12 ft., Federal Aid Project 202A, Bollinger Co., (a) 124,244 cu.yd. earth excav. (b) 20,755 cu.yd. rock excav. (c) 116,828 sq.yd. gravel surfacing, etc., from M. E. Gillioz, Monett, (1a) $0.40 per cu. yd. (1b) $2 (1c) $0.35 (1d) $0.40 total $48,465. (2a) $0.45 (2b) $0.40 (2c) $0.40 total $135,893; C. P. O'Reilley & Co., Wainwright Bldg., St. Louis, (1a) $0.42 (1b) $2 (1c) $0.38 (1d) $0.38 total $48,535 (2a) $0.40 (2b) $0.38 (2c) $0.38 total $126,565; W. A. Reynolds, Marble Hill (1a) $0.45 (1b) $2 (1c) $0.40 (1d) $0.40 total $52,365 (2a) $0.48 (2b) $0.40 (2c) $0.44, total $146,797. Noted Dec. 21.

Missouri—State Hy. Dept. at div. office Montgomery City, opened bids Dec. 8, 4.062 mi. road from Montgomery City east and west, Federal Aid Project 141, Montgomery Co., (1) 26,423 cu. yd. earth excav. (2) 1,201 cu.yd. rock excav. (3) 6,400 cu.yd. borrow (4) 29,313 sq.yd. gravel pavement, etc., from Doehla & Kolkmeyer, Jefferson City, (1) $0.40 (2) $1.75 (3) $0.40 (4) $0.57 total $41,653; Maloney & Whalen, St. Louis (street address not available) (1) $0.50 (2) $2 (3) $0.50 (4) $0.65, total $47,238; J. P. Sparks, Kirkwood (1) $0.45 (2) $2 (3) $0.45 (4) $0.75, total $49,691. Noted Nov. 30.

Missouri—State Hy. Dept. at div. office Neosho, opened bids Dec. 27, 4.854 mi. road from Neosho to Granby, 24 ft., Federal Aid Project 155, Newton Co. (1) 27,353 cu.yd. earth excav. (2) 16,982 cu.yd. borrow, etc., from Kelley & Underwood, Granby, (1) $0.37 per cu.yd. (2) $0.37, total $24,588; M. E. Gillioz, Monett, (1) $0.45 (2) $0.40, $28,455; Carterville Constr. Co., Carterville, (1) $0.41 (2) $0.41, $28,631. Noted Dec. 21.

Missouri—State Hy. Dept. at div. office Platte City, 4.703 mi. road from Parkville southeastward, 24 ft., Federal Aid Project 48B, Platte Co., (1) 16,732 cu.yd. earth excav. (2) 3,529 cu.yd. rock excav. (3) 53,876 cu.yd. borrow, etc., from J. O. Patterson, 310 Ridge Bldg., Kansas City, (1) $0.42 per cu.yd. (2) $1.80 (3) $0.35, total $52,744; T. A. Woods Constr. Co., Smithville, (1) $0.40 (2) $2 (3) $0.35, $54,530; Cook & O'Brien, 305 Ry. Exch. Bldg., Kansas City, (1) $0.46 (2) $2 (3) $0.35, $54,853. Noted Dec. 14.

Missouri—State Hy. Dept. at div. office Poplar Bluff, opened bids Dec. 23, 19.732 mi. road from Poplar Bluff northwestwardly, 12 ft., Federal Aid Project 207, Butler Co., (1) 108,337 cu.yd. earth excav. (2) 15,985 cu.yd. borrow (3) 949 cu.yd. rock excav. (4) 119,518 sq.yd. gravel surfacing, etc., from C. M. Wilson and P. S. Smith, Poplar Bluff, (1) $0.47 per cu.yd. (2) $0.40 (3) $1.75 (4) $0.40 total $138,509; Service Constr. Co., Poplar Bluff, (1) $0.45 (2) $0.45 (3) $1.75 (4) $0.50, $147,853; W. A. Leach, Poplar Bluff, (1) $0.55 (2) $0.45 (3) $2 (4) $0.50, $159,483.

Missouri—State Hy. Dept., at div. office Potosi, opened bids Dec. 22, 3.386 mi. road from Ironton to Potosi, 24 ft., Federal Aid Project 160A, Washington Co., (1) 26,578 cu.yd. earth excav. (2) 2,283 cu.yd. rock excav. (3) 1,972 cu.yd. borrow, etc., from St. Louis Constr. Co., 743 Frisco Bldg., St. Louis, (1) $0.44 per cu.yd. (2) $2 (3) $0.44 total $26,666; Coopers Constr. Serv. Co., Federal Reserve Bldg., St. Louis (1) $0.45 (2) $2 (3) $0.45, $30,471.

Missouri—State Hy. Dept. at div. office Rolla, opened bids Dec. 22, (1) 3.693 mi. road from Rolla southward, 12 ft., Federal Aid Project 110A, Phelps Co., (a) 15,296 cu.yd. earth excav. (b) 3,767 cu.yd. rock excav. (c) 4,864 cu.yd. borrow (d) 25,579 sq.yd. gravel surfacing, etc. (2) one 85 ft. steel truss and one 25 ft. rein.-con. deck girder spans, 20 ft. roadways, on above road, from Birmingham Jones Lenox, Rolla, (1a) $0.45 per cu.yd. (1b) $2 (1c) $0.40 (1d) $0.40, total $32,412 (2) $14,376; M. E. Gillioz, Monett, (1a) $0.40 (1b) $2 (1c) $0.40 (1d) $0.45, $33,014 (2) $13,347; Concrete & Steel Constr. Co., 214-223 West 3rd St., Joplin, (1a) $0.55 (1b) $1.80 (1c) $0.45 (1d) $0.47, $35,281; Dennison & Phelps, Rolla, (2) $14,405. Noted Dec. 14.

CEMENT—WISCONSIN

Bids were opened Jan. 3, by State Highway Comn., for cement for Federal-Aid construction, (A) Universal Portland Cement Co., 210 South La Salle St., Chicago; (B) Lehigh Portland Cement Co., 111 West Washington St., Chicago; (C) Marquette Cement Mfg. Co., Marquette Bldg., Chicago; (D) Alpha Portland Cement Co., Easton, Pa.; (E) Sandusky Cement Co., Engineer's Bldg., Cleveland, O.; (F) Northwestern States Portland Cement Co.; (G) Petoskey Portland Cement Co.; (H) Huron Western Lime & Cement Co., 1525 Ford Bldg., Detroit, Mich.

Federal Aid Project No.	Destination	Barrels	A	B	C	D	E	F	G	H
2,502	Allens Grove	7,500	$2.50	$2.52	....	$2.52	....	....	....	....
3,765	Amberg	260	2.69	2.71	....	2.71	....	....	....	....
7,617	Arbor Vitae	410	2.68	2.77	....	....	....	....	....	....
277	Arcadia	200	2.70	2.71	....	2.71	$2.70	$2.76	....	....
293	Argyle	636	2.58	2.58	$2.58	2.58	2.58	....	....	....
4,916	Auburndale	8,650	2.65	2.69	....	2.69	....	....	....	....
10,546	Baraboo	7,150	2.61	2.61	2.61	2.61	2.61	....	....	....
10,577	Baraboo	3,800	2.61	2.61	2.61	2.61	2.61	....	....	....
10,552	Beaver Dam	7,050	2.56	2.58	2.58	2.58	....	....	....	....
122 "B"	Beldenville	575	2.66	2.77	....	2.77	....	2.66	....	....
221	Belmont	760	2.58	2.58	....	2.58	2.58	....	....	....
4,932	Birnamwood	25,833	2.65	2.69	....	2.69	....	....	....	....
1,012	Black River Falls	500	2.65	2.69	....	2.69	2.65	2.65	....	....
3,772	Bonduel	12,000	2.63	2.65	2.65	2.65	....	....	2.63	....
1,017	Boscobel	430	2.61	2.63	2.63	2.63	2.61	2.61	....	....
285	Brown Deer	7,500	2.54	2.61	....	2.61	....	....	....	$2.54
6,726	Chelsea	177	2.63	2.71	....	2.71	....	2.63	....	....
8,204	Chetek	256	2.59	2.71	....	2.71	....	2.59	....	....
3,769	Chilton	19,000	2.58	2.65	....	2.65	....	....	....	....
10,554	Clinton	15,450	2.48	2.52	2.52	2.52	....	....	....	....
6,692	Columbia	355	2.66	2.71	....	2.71	....	2.66	....	....
10,553	Columbus	10,900	2.56	2.58	2.58	2.58	....	....	....	....
1,020	Danbury	200	2.53	2.84	....	2.84	....	....	....	....
2,502	Darien	7,500	2.50	2.54	....	2.54	....	....	....	....
3,651 "A"	DePere	8,100	2.61	2.65	....	2.65	....	....	$2.61	....
2,507	Dousman	25,000	2.54	2.56	2.56	2.56	....	....	....	....
187	Drummond	344	2.55	2.82	....	2.82	....	....	....	....
7,615	Elcho	400	2.68	2.71	....	2.71	....	....	....	....
234	Ellsworth	770	2.66	2.77	....	2.77	....	2.66	....	....
1,014	Ellsworth	417	2.66	2.77	....	2.77	....	2.66	....	....
7,614	Elmhurst	315	2.65	2.71	....	2.71	....	....	....	....
5,676	Ettricks	659	2.82	2.84	....	2.84	....	2.82	....	....
1,005	Exeland	650	2.57	2.75	....	2.75	....	....	....	....
9,058	Fennimore	2,455	2.61	2.61	2.61	2.61	2.61	....	....	....
2,483	Fransville	11,000	2.52	2.56	....	2.56	....	....	....	....
4,930	Fremont	13,400	2.61	2.65	....	2.65	....	....	2.61	....
187	Grandview	650	2.55	2.82	....	2.82	....	....	....	2.52
285	Granville	11,000	2.52	2.58	....	2.58	....	....	....	2.52
2,405	Granville	5,500	2.52	2.58	....	2.58	....	....	....	....
291	Gordon	2,000	2.47	2.77	....	2.77	....	....	....	....
9,077	Gratiot	430	2.56	2.56	2.56	2.56	2.56	....	....	....
4,936	Green Lake	11,800	2.61	2.63	2.63	2.63	....	....	....	....
3,651 "A"	Greenleaf	7,100	2.61	2.65	....	2.65	....	....	2.61	....
1,014	Hager City	343	2.66	2.71	....	2.71	....	2.66	....	....
266	Harshaw	182	2.66	....	....	2.75	....	....	....	....
8,205	Hayward	150	2.57	2.80	....	2.80	....	....	....	....
246	Hayward	500	2.57	2.80	....	2.80	....	....	....	....
7,616	Heafford Jct	660	2.66	2.71	....	2.71	....	....	....	....
10,557	Hubbleton	12,150	2.56	2.58	2.58	2.58	2.56	....	....	....
303	Humbird	413	2.65	2.69	....	2.69	....	2.65	....	....

Federal Aid Project No	Destination	Barrels	A	B	C	D	E	F	G	H
4,937	Hustler	1,280	2.63	2.63	2.63	2.63	2.63	....	....	....
5,692	Hustler	1,145	2.63	2.63	2.63	2.63	2.63	....	....	....
	Independence	400	2.70	2.71	....	2.71	2.70	2.70	....	....
277	Kaukauna	4,700	2.61	2.65	....	2.65	....	....	2.61	....
3,768	Kennon	518	2.59	2.75	....	2.75	....	....	....	....
7,613	Kilbourn	500	2.61	2.61	2.61	2.61	2.61	....	....	....
10,524	Knapp	471	2.66	2.75	....	2.75	....	2.66	....	....
6,719	Kodatz	394	2.61	2.61	2.61	2.61	2.61	....	....	....
221	Koepenick	255	2.68	2.71	....	2.71	....	....	....	....
1,009	Lakewood	460	2.65	2.71	....	2.71	....	....	2.65	....
3,764	Lehigh	352	2.59	2.75	....	2.75	....	2.59	....	....
8,185	Lyndon	200	2.61	2.61	....	2.61	2.61	....	....	....
4,924	Manitowoc	10,750	2.58	2.65	....	2.65	....	....	....	....
3,771	Marshland	2,990	2.69	2.69	....	2.69	2.69	2.69	....	....
5,678	Mouston	5,930	2.61	2.63	2.63	2.63	2.61	....	....	....
4,924	Medina	14,500	2.61	2.63	2.63	2.63	....	....	2.61	....
269	Menomonee Falls	14,500	2.52	2.58	....	2.58	....	....	....	2.52
2,497	Middle Inlet	180	2.65	2.71	....	2.71	....	....	2.65	....
3,776	Montfort	250	2.61	2.61	....	2.61	2.61	....	....	....
9,058	Mountain	830	2.65	2.71	....	2.71	....	....	2.65	....
3,764	New Holstein	14,700	2.58	2.65	....	2.65	....	....	....	....
3,769	N. Fond du lac	9,700	2.56	2.61	2.61	2.61	....	....	....	....
2,493	Oostburg	22,500	2.54	2.63	....	2.63	....	....	....	....
2,490	Osseo	500	2.68	2.71	....	2.71	....	2.68	....	....
5,677	Peck Station	17,000	2.52	2.54	....	2.54	....	....	....	....
2,500	Plover	13,500	2.63	2.65	....	2.65	2.63	....	....	....
4,913	Portage	750	2.58	2.58	....	2.58	2.58	....	....	....
10,524	Port Washington	18,000	2.54	2.61	....	2.61	....	....	....	....
2,510	Preston	250	2.61	2.61	2.61	2.61	2.61	....	....	....
9,058	Readstown	1,350	2.65	2.65	....	2.65	2.65	2.65	....	....
239	Richland Center	490	2.61	2.63	....	2.63	2.61	2.61	....	....
239	Richland Center	150	2.61	2.63	....	2.63	2.61	2.61	....	....
9,066	Sarona	480	2.57	2.77	....	2.77	....	....	....	....
8,202	Seeley	660	2.57	2.82	....	2.82	....	....	....	....
246	Shawano	15,000	2.63	2.65	2.65	2.65	....	....	2.63	....
3,772	Sheboygan	15,000	2.54	2.63	....	2.63	....	....	....	....
2,490	Sherry	8,650	2.65	2.69	....	2.69	....	....	....	....
4,916	Somers	7,400	2.44	2.54	....	2.54	....	....	....	....
2,409	South Madison	5,400	2.54	2.54	2.54	2.54	....	....	....	....
273	South Wayne	1,210	2.56	2.56	2.56	2.56	2.56	....	....	....
9,059	Sparta	11,174	2.63	2.65	2.65	2.65	2.63	2.63	....	....
5,674	Sparta	249	2.63	2.65	....	2.65	2.63	2.63	....	....
5,675	Stanley	144	2.61	2.71	....	2.71	....	2.61	....	....
1,010	Stanley	455	2.61	2.71	....	2.71	....	2.61	....	....
301	Stevens Point	17,400	2.63	2.65	2.65	2.65	2.63	....	....	....
4,910	Strickland	270	2.59	2.75	....	2.75	....	2.59	....	....
8,182	Summit Lake	220	2.68	2.71	....	2.71	....	....	2.68	....
7,615	Sylvania	17,000	2.48	2.56	....	2.56	....	....	....	....
2,483	Truesdell	4,200	2.44	2.54	....	2.54	....	....	....	....
2,482	Ulao	10,500	2.54	2.61	....	2.61	....	....	....	....
2,486	Watertown	5,200	2.54	2.56	....	2.56	....	....	....	....
10,556	Wausaukee	670	2.65	2.71	....	2.71	....	....	2.65	....
3,776	Wauwatosa	18,200	2.52	2.56	....	2.56	....	....	....	2.52
268	West Allis	15,000	2.52	2.56	....	2.56	....	....	....	2.52
286	Westboro	178	2.63	2.71	....	2.71	....	2.63	....	....
6,726	Westby	11,200	2.65	2.65	2.65	2.65	2.65	2.65	....	....
276	Weyauwega	13,400	2.61	2.65	....	2.65	....	....	....	....
4,930	Weyerhauser	850	2.59	2.75	....	2.75	....	2.59	....	....
8,182	Whitehall	675	2.70	2.71	....	2.71	....	2.70	....	....
5,677	Wilson	308	2.66	2.75	....	2.75	....	2.66	....	....
6,722	Wilson	325	2.66	2.75	....	2.75	....	2.66	....	....
6,719 "A"	Wrightstown	7,000	2.61	2.65	....	2.65	....	....	2.61	....
	Special State Bridges	4,000	2.65	2.69	2.69	2.69	2.65	2.65	....	....
	Black River Falls	11,000	2.61	2.71	....	2.71	....	2.61	....	....

Streets and Roads (Continued)

Missouri—State Hy. Dept. at div. office West Plaines, opened bids Dec. 22, 4.621 mi. road from Willow Springs eastward, 12 ft., Federal Aid Project 138A, Howell Co., (a) 28,190 cu.yd. earth excav. (b) 8,611 cu.yd. borrow (c) 16,141 sq.yd. gravel surfacing, etc., from Summerfield-Jones Co., Springfield (street address not available) (a) $0.50 per cu.yd. (b) $0.50 (c) $0.40 total $36,737.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, opened bids Jan. 2, reconstructing 7,200 ft. Choteau Ave. from Bway. to Jefferson Ave., (1) gross bid (2) refund 26,480 sq. yd. granite blocks (3) net bids, from Independent Quarries & Contg. Co., 4875 Ashland Ave., (1) $224,649 (2) $26,840 (3) $197,917; Skrainka Bros. Contg. Co., Security Bldg., (1) $232,457 (2) $17,446 (3) $215,011; F. A. Stiers Contg. Co., 4500 Enright Ave., (1) $238,349 (2) $24,156 (3) $214,193. Noted Dec. 7.

Calif., Arcata—Paving 33 blocks, 2 course, 5 in., asphaltic concrete, from Mercer-Fraser Co., 1st and G Sts., Eureka, $84,521; Padgett & Kelly, Eureka, $88,189. Noted Dec. 7.

Calif., Fresno—Improving portions of Tuolumne and Divisadero Sts., 198,940 ft. grading, 186,427 ft. asphalt pavement, 12,102 ft. concrete gutter, 7,504 ft. concrete curb, 13,725 ft. concrete walks, etc., from W. F. Hanrahan, Griffith-McKenzie Bldg., $70,849; Thompson Bros., Divisadero and G Sts., $72,578; California Road & Street Impvt. Co., Bank of Italy Bldg., $72,857. Noted Dec. 28.

CONTRACTS AWARDED

N. Y., **Brooklyn**—Park Bd. at office Dept. Parks, Municipal Bldg., New York, grading, paving, etc., Bay Parkway, here, sheet asphalt, to Cranford Co., 52 9th St., $79,201. Engrs. est. $80,000. Noted Jan. 4.

N. Y., **Brooklyn**—E. Riegelmann, boro pres., Boro Hall, grading, curbing and flagging East 15th St. and Skillman Ave., to T. B. Scott, 671 Halsey St., $4,361 and $3,369 respectively; paving East 15th St., asphalt, to Cranford Co., 52 9th St., $8,164; Skillman Ave., asphalt, to Borough Asphalt Co., 1301 Metropolitan Ave., $4,359. Noted Jan. 4.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., repaving Grand St., granite block, to Necaro Co., 97 Court St., Brooklyn, $117,978. Noted Dec. 21.

N. Y., New York—J. Miller, pres. Manhattan Boro, Municipal Bldg., repaving Bway. at Canal St. and Bway. at Chambers St., to D. J. McCarthy, 88 Audubon Ave., $6,198 and $5,542 respectively; West St., to W. J. Fitzgerald, 547 West 45th St., $244,169; Dyckman St., 5th and Lenox Aves., to C. D. Beckwith, 2875 Bway., $22,424, $96,600 and $58,444 respectively. Noted Dec. 21.

N. Y., Richmond Hill—Park Bd. at office Dept. Parks, Municipal Bldg., New York, improving main drive in Forest Park, etc., here, to Cleveland Trinidad Paving Co., Flushing, $93,095. Noted Jan. 4.

N. J., Penns Grove—Mayor and Common Council constructing streets, bituminous macadam, to B. Foster Co., 20th and Venango Sts., Phila., $45,700. Noted Dec. 14.

North Carolina — State Hy. Dept., Raleigh, clearing and grading 14.14 mi. State Project 201, Carteret Co., to Duplin Constr. Co., Warsaw, $49,273. Noted Dec. 28.

N. C., **Lincolnton**—Hardsurfacing various streets to Boyd, Higgins & Goforth, Realty Bldg., Charlotte, $30,000.

Fla., Tavares—Lake Co. clearing, grading, bridging and sand clay surfacing 18 mi. Eustis, Cossia and Sorrento Sts., to Hardee Constr. Co., Tampa, (street address not available), $86,845; constructing sand clay road on east 9 mi., and clearing only on west 10 mi., between Altoona and Crows Bluff, to G. O. Barnes, Lecanto, $46,901.

Louisiana — State Hy. Dept., Reymond Bldg., Baton Rouge, grading and gravel surfacing 18 mi. Tallulah-Delhi Highway, Federal Aid Project 117, to Nicholson Constr. Co., Lake Providence, $65,131 for Sect. A, $53,567 for Sect. B. Noted Dec. 14.

Kentucky—State Hy. Dept., Frankfort, grading and draining using cement rubble masonry and vitr. pipe 8.8385 mi. Louisville-Paducah Rd., Federal Aid Project 91, State Project 8, Sect. A, Crittenden Co., to Brantley & Costello, Knoxville, Tenn. (street address not available), $86,494, 17.045 mi. Louisville-Paducah Rd., Federal Aid Project 92, Livingston Co., to Ellis & Smeathers, Owensboro, $120,600; grading and draining using cement rubble masonry and concrete pipe 9.639 mi. Frenchburg-West Liberty Rd., Federal Aid Project 83, State Project 32, Sect. A, Menifee Co., and 5.018 mi. Stanton-Winchester Rd., Federal Aid Project 87, Sect. A, State Project 4, Sect. B, to Ellis & Smeathers, Owensboro, $82,260 and $59,870 respectively; paving with waterbound macadam using Class B corrugated metal pipe, 9.55 mi. Vanceburg-Maysville Rd., State Project 20, Sect. A, Lewis Co., to J. W. Harris, Covington, $95,828; surface treating 9.55 mi. Vanceburg-Maysville Rd., State Project 20, Sect. A, Lewis Co., to Southern Oil & Tar Co., Clay and Fulton Sts., Louisville, $9,294. Noted Dec. 28.

Ohio—Dept. Highways and Pub. Wks., Columbus, grading, bridging and paving roads in following counties:

Licking and Knox Counties, Sect. "K" Columbus-Millersburg Rd., 1.42 mi., rein.-con., to Walsh & McDaniel Co., Columbus (street address not available), $47,391.

Lorain Co., Sects. "N" "O" "P" Oberlin-Norwalk Rd., 5.14 mi., bitulithic, to Highway Constr. Co., 903 Lorain Co. Bank Bldg., Elyria, $227,207.

Stark Co., Sects. "D-2" and "E" Alliance-Minerva Rd., 3.96 mi., brick, to G. W. Hadley, 204 Goldberg Bldg., Canton, $153,032.

Columbiana Co., Sect. "R" Cleveland-East Liverpool Rd., 2.325 mi., brick, to C. W. Milarr & Co., 305 Prof. Bldg., Youngstown, $81,648.

Montgomery Co., Sect. "A" Germantown-Middletown Rd., 2.494 mi., (grading only), to Putnam & Sunday, Van Wert, $34,143. Noted Dec. 28 and Jan. 4.

Ind., Decatur—Adams Co., concrete paving 1.5 mi. Warren M. Striker Rd., 16 ft., 14,070 sq.yd. concrete on concrete to G. W. Fleming & Son, New Corydon, $35,450. Engrs. est. $43,000.

Ind., Elizabethtown—Bartholomew Co., grading and surfacing with stone, 29,154 ft. Sawyer Rd., 16 ft., to Major & Smith, Martinsville, $33,791. Engrs. est $50,000. Noted Dec. 28.

Ind., Logansport—Cass Co., grading and graveling 18,480 ft. Charles V. Cotner Rd., 16 ft., to Andrews Paving Co., Logansport, $25,425. Noted Dec. 21.

Ia., Burlington—Grading and paving 21,805 sq.yd. Agency St., to Matthes Coal & Constr. Co., 1810 Bowditch St., Davenport, $61,490. Noted Nov. 24.

Ia., Burlington—Des Moines Co., grading and paving 1.504 mi. Primary Rd. Project 273, Mt. Pleasant and Agency Rd., 14,009 sq.yd. concrete, 4,415 cu.yd. excav., etc., to C. Weitz & Sons Co., 713 Mulberry St., Des Moines, $43,228.

Ia., Marion—Linn Co. concrete paving and incidental work on 5.589 mi. primary road from Cedar Rapids east, Federal Aid Project 96, 61,146 sq.yd. concrete, 16,134 cu.yd. excav., to Moore & Young Constr. Co., Waterloo, $187,168.

Ia., Washington—Washington Co., grading 9.297 mi. Primary Rd. Project 253, from Jefferson Co. Line northeast through Brighton, 182,462 cu.yd. earth and 200 cu. yd. loose rock excav., to Empire Constr. Co., 308 Flynn Bldg., Des Moines, $44,821.

Minnesota—State Hy. Dept., St. Paul, 2.4 mi. State Project 12-22, Federal Aid Project 310, 108,000 cu.yd. excav., 3 bridges, portable culverts, to G. J. Grant Constr. Co., 907 Exchange Bank Bldg., St. Paul, $53,715. Noted Dec. 7.

Minn., Chaska—Carver Co., improving 7 mi. State Rd. 9, west of St. Bonifacius, 130,000 cu.yd. excav., to Thomas Bros., Foley, $45,742; Bridge 3961, concrete, to Independent Bridge Co., 1101 Metropolitan Life Bldg., Minneapolis, $7,976; culverts to H. Briesemeister, New Germany, $6,079.

Minn., Minneapolis — Bd. Park Comrs., City Hall, will pave Cedar Lake Blvd. from Depot St. to Superior Blvd., 27,700 sq.yd. tar macadam on concrete, by day labor, $123,000. Engineering Dept., Bd. Park Comrs., City Hall, engrs.

Kan., El Dorado—Butler Co. gravel surfacing 6.258 mi. Augusta Gordon Rd., Project 124, 18 ft., to Cornelison & Kelly, Wichita, (street address not available), $31,381. Engrs. est. $33,490.

Kan., Emporia—Lyon Co. concrete paving 8.071 mi. Santa Fe Trail, 18 ft., to Stamey & Mackey, Hutchinson, 12,000 cu. yd. excav. $0.70, 85,235 sq.yd. 7 in. concrete $2.57, etc., total $233,025. Engrs. est. $262,517.

Kan., Mound City — Linn Co. grading 7.284 mi. La Cygne-Pleasanton Prescott Rd., Project 146, 30 ft., and 10.473 mi. La Cygne-Pleasanton-Prescott Rd., Project 109 C, to L. O. Hales, 1230 College St., Topeka, $53,129 and $39,974 respectively. Engrs. est. $68,713 and $50,820 respectively.

Streets and Roads (Continued)

Neb., Harvard—Paving various streets, asphalt on concrete, to A. A. Dobson Co., 809 1st Natl. Bldg., Lincoln, $51,010. Noted Dec. 7.

Missouri—State Hy. Dept. at div. office Caruthersville, 3.08 mi. road on Kings Highway, 16 ft., Federal Aid Project 173 A, Pemiscot Co., to Little & Morgan, Hayti, $29 502. Noted Oct. 5.

Missouri—State Hy. Dept., Jefferson City, 4.489 mi. road south of Elsinore to Butler Co. line, 24 ft., State Project Route 16, Sect. 74, Carter Co., to W. A. Leach, Poplar Bluff, $11,772; 4.84 mi. road between Monett and Cassville, 16 ft., State Project Route 37, Sect. 2, Barry Co., 4.482 mi. road from Jefferson Co. line to Bloomdale, 16 ft., State Project Route 25, Sect. 5, St. Genevieve Co., and 4.914 mi. road from Cassville southwestwardly, 16 ft., State Project Route 37, Sect. 7, Barry Co., to Allhands & Davis, 705 Frisco Bldg., Joplin, $38,418, $27,855 and $39,260 respectively; 3.53 mi. road west of Bethany 18 ft., State Project Route 4, Sect. 24, Harrison Co., to Rand Constr. Co., 1007 New York Life Bldg., Kansas City, $136,769; 2.322 mi. road from California eastwardly, 24 ft., State Project Route 12, Sect. 29, and 5 mi. road from McGirk east and west, 16 ft., State Project Route 12, Sect. 30, both Moniteau Co., to J. W. Newton, Eldon, $36,293; 0.303 mi. road from Lebanon to Pulaski Co. line, 34 ft., State Project Route 14, Sect. 45, Pulaski Co. and 0.559 mi. road from Lebanon to Pulaski Co. line, 34 ft., State Project Route 14, Sect. 38, Laclede Co., to Reiley & Bailey, International Life Bldg., St. Louis, $172,000; 3.049 mi. road east of Risco, 24 ft., State Project Route 82, Sect. 3, New Madrid Co., to Novaculite Constr. Co., Marion, Ill., $45,830; 4.215 mi. road from Jackson Co. line to Warrensburg 26 ft., State Project Route 12, Sect. 5, Johnson Co., to J. W. Wilson, Warrensburg, $22,289; 4.061 mi. road from Vienna northwardly, 16 ft., State Project Route 7, Sect. 55, Maries Co., to Birmington & Terry, Vienna, $17,819; 2.348 mi. road from Milan to Green City, 24 ft., State Project Route 6, Sect. 35, 5 mi. road from Milan eastwardly, 24 ft., State Project Route 6, Sect. 34, and 4.394 mi. road from Milan east, 24 ft., State Project Route 6, Sect. 33, all in Sullivan Co., to C. P. O'Reilley & Co., Wainwright Bldg., St. Louis, $68,930; 4.855 mi. road from Jefferson City southwestwardly toward Eldon, 12 ft., State Project Route 15, Sect. 52, Cole Co., to F. Kersting, Jefferson City, $66,177; 4.974 mi. Sni-a-bai Rd. from Blue Ridge Rd. east, 18 ft., State Project Route 2, Sect. 6, 4.942 mi. Sni-a-bai Rd. from Blue Ridge Rd. east, 18 ft., State Project Route 2, Sect. 5, 4 mi. Sni-a-bai Rd. from Blue Ridge Rd. east, 18 ft., State Project Route 2, Sect. 4, and 4 mi. Sni-a-bai Rd. from Blue Ridge Rd. east, 18 ft., State Project Route 2, Sect. 3, all in Jackson Co., to Alzina Constr. Co., Unity Bldg., Springfield, Ill., $747,500. Noted Dec. 14 and 21.

Missouri—State Hy. Dept., Jefferson City, 4.864 mi. road from Fairfax northwardly toward Tarkio, 30 ft., State Project Route 1, Sect. 72, Atchison Co., to W. R. Larson Constr. Co., 519 Secy. Natl. Bank Bldg., Sioux Falls, S. D., $70,318; 3,351 mi. road from Mexico eastwardly, 16 ft., State Project Route 22 Sect. 9, Audrain Co., to Henderson-Washam, Alexander, $49,915; 2.585 mi. road on Kings Highway, 26 ft., State Project Route 25 Sect. 19, Cape Girardeau Co., to Carroll, Bedwell & Hartie, Cape Girardeau, $17,378; 4.016 mi. road from Grayson to Clay Co. line, 30 ft., State Project Route 33 Sect. 10, Clinton Co., to Land Constr. Co., Ballinger Bldg., St. Joseph, $23,954; 4.866 mi. road from Centerville southwardly, 24 ft., State Project Route 21 Sect. 25, Reynolds Co. and 3.095 mi. road from Elsinore southeastwardly, 24 ft., State Project Route 16, Sect. 73, Carter Co., to Coopers Service Constr. Co., Federal Reserve Bank Bldg., St. Louis, $53,161 and $22,369 respectively; 2.674 mi. road from Lawrence Co. line to Billings, 18 ft., State Project Route 16 Sect. 20, Christian Co., to W. F. Plummer, Inc., 434 East Elm St., Springfield, $56,346; 3.994 mi. road from Wayland southwardly, 24 ft., State Project Route 9 Sect. 7, Clark Co., to General Constr. Co., Syndicate Trust Bldg., St. Louis, $52,484; 1.608 mi. road from Grayson to Clay Co. line, 30 ft., State Project Route 33 Sect. 9, Clinton Co., to J. O. Patterson & Co., 310 Ridge Bldg., Kansas City, $13,689; 4.896 mi. road from Buffalo westwardly, 24 ft., State Project Route 15 Sect. 80, Dallas Co., to C. F. Johnson & Sons, Buffalo, N. Y. (street address not available) $26,275; 4.972 mi. road from Clarksdale northwardly, 24 ft., State Project Route 31 Sec. 1, De Kalb Co., to W. A. Gierke, St. Joseph (street address not available) $15,211; 3.01 mi. road from Ava southeastwardly, 24 ft., State Project Route 5 Sect. 93, and 3.31 mi. road from Ave southeastwardly, 24 ft., State Project Route 5 Sect. 94, both Douglass Co., to Summerfield & Jones Co., Springfield (street address not available) $25,041; 4.98 mi. road from Sullivan to St. Clair, 30 ft., State Project Route 14 Sect. 66 and 1.658 mi. road from Sullivan to St. Clair, 30 ft., State Project Route 14 Sect. 67, both Franklin Co. to Frazier Davis Constr. Co., Arcade Bldg., St. Louis, $47,400; 4.234 mi. road from Pettis Co. line at Windsor southwestwardly, 18 ft., State Project Route 24 Sect. 6 and 2.673 mi. road from Pettis Co. line at Windsor southwestwardly, 18 ft., State Project Route 24 Sect. 5, both Henry Co., to J. Pope, Jefferson City, $201,600; 4.94 mi. road from West Plains southwestwardly, 24 ft., State Project Route 80 Sect. 7, Howell Co., to H. A. Warman, Pittsfield, Ill. (street address not available) $11,135; 4.469 mi. road from Opolis to Asbury, 18 ft., State Project Route 57 Sect. 2, Jasper Co., to V. E. Koch, Box 604, Joplin, $76,200; 4.132 mi. road between Festus and St. Genevieve Co. line, 16 ft., State Project 25 Sect. 2 and 4.012 mi. road from Festus to St. Genevieve Co. line, 16 ft., State Project Route 25 Sect. 3, both Jefferson Co., to W. J. Knorpp and J. Richardson, De Soto, $28,902 and $28,834 respectively; 4.94 mi. road from Warrensburg south, 30 ft., State Project 13 Sect. 26, 4.899 mi. road south of Warrensburg, 30 ft., State Project Route 13 Sect. 27 and 4.096 mi. road from Warrensburg south, 26 ft., State Project Route 13, Sect. 28, all in Johnson Co., to A. L. Cook, Ottawa, Kan., $93,473; 4.767 mi. road north of Lebanon, 12 ft., State Project Route 5 Sect. 73, Laclede Co., to Pioneer Contg. Co., 101 New York Life Bldg., Springfield, $18,528; 4.991 mi. road from Hardin east and west, 26 ft., State Project Route 10 Sect. 14 and 4.732 mi. road between Richmond and Hardin, 26 ft., State Project Route 10 Sect. 13, both in Ray Co., to Cook and O'Brien, 305 Ry. Exch. Bldg., Kansas City, $39,747; 3.159 mi. road from Lexington to Wellington, 18 ft., State Project Route 20 Sect. 10 and 5 mi. road from Jackson Co. line to Odessa, 24 ft., State Project Route 2 Sect. 7, both in Lafayette Co., to Cook & O'Brien, 305 Ry. Exch. Bldg., Kansas City, $112,463 and $79,104 respectively; 1.942 mi. road from Linneus northwardly, 18 ft., State Project Route 5 Sect. 15, Linn Co., to J. F. Meek, Chillicothe, $26,699; 3.078 mi. road from Cole Co. line to Eldon, 24 ft., State Project Route 15 Sect. 57 and 4.991 mi. road from Cole Co. line to Eldon, 24 ft., State Project Route 15 Sect. 56, both in Miller Co., to Fogleman & Thompson, Eugene, $38,000; 2 mi. road from Tipton Ford to Neosho, 18 ft., State Project Route 1 Sect. 105 and 5 mi. road from Tipton Ford to Neosho, State Project Route 1 Sect. 104, both in Newton Co., to Independent Constr. Co., Pittsburg, Kan., $285,758; 2,986 mi. road between Wentzville and St. Peters, 18 ft., State Project Route 2 Sect. 71, 2.265 mi. road between Wentzville and St. Peters, 18 ft., State Project Route 2 Sect. 68 and 2.304 mi. road between Wentzville and St. Peters, 18 ft., State Project Route 2 Sect. 69, all in St. Charles Co., to S. M. Timberlake, 236 Amer. Central Life Bldg., Indianapolis, Ind., $319,019; 3.564 mi. road from Memphis southwardly, 16 ft., State Project Route 15 Sect. 4, Scotland Co., to W. H. and G. H. Turner, Memphis, $54,616; 2.575 mi. road from Seymour westwardly, 16 ft., State Project Route 15 Sect. 35, Webster Co., to Allhands & Davis, 705-6 Frisco Bldg., Joplin, $17,615; 1.279 mi. road from Mansfield northeastwardly, 12 ft., State Project Route 5 Sect. 86, Wright Co., to A. M. Curtis and M. J. Graig, Hartville, $7,609. Noted Dec. 14, 21 and 28.

Missouri—State Hy. Dept. at div. office Kennett, 6.586 mi. road from Kennett to Paragould, 16 ft., Federal Aid Project 199, Dunklin Co., to Robertson-Carmaen-Bennett, Caruthersville, $130,496. Noted Oct. 5.

Mo., Galena—Clerk Stone Co., grading, etc., 5½ mi. secondary road between Crane and Galena, 18 ft., to R. H. Sharp, Reeds Springs, $41,172. Engrs. est. $51,000.

Mo., Kansas City — Paving Locust St., 17,000 yd. 3 in. bituminous macadam on 11 in. base, to W. C. Mullins Constr. Co., 419 Nelson Bldg., $2.53 per sq.yd.

Mo., St. Louis—Bd. Pub. Serv. grading and paving 700 ft. Tennessee Ave. from Iron to Fillmore Sts., to F. B. Grant, 810 Chestnut St., $5,055; 860 ft. Esther Ave. from Elizabeth to Wilson Aves., to Webb-Kunze Constr. Co., 5927 Fyler Ave., $5,037; 3,000 ft. Goodfellow Ave. from Mamitt to Natural Bridge Aves., to Fruin-Colnon Constr. Co., Merchants-Laclede Bldg., $5,618, Terminal R.R. Assn. is doing 18,140 cu.yd. grading, etc., in connection with this project, $11,500. Noted Dec. 21.

Tex., Crockett—Houston Co. grading and gravel surfacing 6.9 mi. State Highway 21, 16 ft., to Smith Bros., Crockett, $112,802. Engrs. est. $124,083. Noted Dec. 14.

Tex., Dallas—Paving, curbing and guttering Travis St. from Bowser to Hester Sts. and Clinton St. from Kingshighway to north city limits, 40 ft. bitulithic on 5 in. concrete, to Central Bitulithic Co., Praetorian Bldg., $105,610 and $19,216 respectively.

Tex., Jefferson—Marion Co., to Henderson & Co., Omaha, grading, claying, gravel surfacing, etc., 3.56 mi. Highway 8 from here to Marion Co. line, 16 ft., $34,115, gravel surfacing to be furnished by county $15,000, engrs. est. $55,000; 7.57 mi. Highway 8 from here to Cass Co. line, 16 ft., $53,752, gravel surfacing furnished by county $14,000. Noted Dec. 28.

Tex., Jourdanton—Atascosa Co. grading, 1.76 mi. State Highway 2, Federal Aid Project 332, 18 ft., to C. M. Kelly & Co., San Antonio, (street address not available) $16,384. Contract for bituminous topping will be let at later date. Cost of surfacing to be furnished by county. Engrs. est. $27,500 incl. 10% for engineering and contingencies. Noted Oct. 19.

Tex., Kaufman—Kaufman Co. grading 9.37 mi. Highway 15 from Terrell west to Talley-Forney Rd., 24 ft., to C. W. Burgess, 501 Dallas Co. State Bank Bldg., Dallas, $55,164. Engrs. est. $60,000. Noted Dec. 21.

Tex., Kerville — Kerr Co. grading and gravel surfacing 4.45 mi. Highway 41, 16 ft., to G. Alvis, Winnsboro, $30,953. Noted Dec. 28.

Tex., Marlin — Falls Co. grading and gravel surfacing 9.22 mi. State Highway 44, Federal Aid Project 297, 16 ft., to Hannah Constr. Co., Box 994, Waco, $80,354. Gravel furnished by county $28,175. Engrs. est. $108,000.

Tex., Orange—Orange Co. grading, shell or gravel surfacing 10.66 mi. East Texas Highway 8, 18 ft., 76.74 cu.yd. concrete, 10,500 cu.yd. earth excav., 7,100 cu.yd. shell or gravel, 6,765 lb. reinforcing, to F. P. McElwrath, Corsicana, $12,057. Surfacing furnished by county $15,000. Engrs. est. $30,000.

Tex., San Angelo—Tom Green Co. grading 25.78 mi. Highway 7 and 7A, Federal Aid Project 229, 24 ft., and 16.44 mi. Highway 9A, 24 ft., to L. F. McMillan, 4212 Ave. D, Austin, $24,463 and $16,992 respectively; bridging and draining above projects to Austin Bros. Bridge Co., Coombs St., Dallas, $27,067 and $24,462 respectively. Engrs. ests. $57,000 and $53,138 respectively incl. 10% for engineering and contingencies.

Tex., Waco — McLennan Co. grading, gravel surfacing and bituminous topping 3.7 mi. Highway 7, The McGregor Rd., 16 ft., to Wear & Thomas, Rogers, $29,947. Engrs. est. $32,075. Noted Dec. 28.

Oklahoma—State Hy. Dept., Oklahoma City, hardsurfacing on low type paving 31.0729 mi. Federal Aid Project 84, Le Flore Co., to M. R. Ammerman, 246 North Market St., Wichita, Kan., $424,707. Noted Nov. 16.

California—State Hy. Dept., Sacramento, constructing 3.32 mi. highway from Donner Summit to Donner Lake, Federal Aid Project 113, Nevada Co., to J. Wilmshurst and T. Manetas, 2860 Folsom St., San Francisco, 77,200 cu.yd. excav., (ledge rock and boulders ½ cu.yd. in size and over) at $1.18 per cu.yd., 25,700 cu.yd. excav. without classification (incl. boulders less and ½ cu.yd. in size), $0.78, 360 cu.yd. Class A Portland cement concrete $24, 169 cu.yd. rubble masonry (retaining walls $14, etc., total $124,599; grading and paving 9.4 mi. highway between New County Well and Old County Well, Imperial Co., to G. H. Oswald, 366 East 58th St., Los Angeles, 18,000 cu.yd. excav. without classification at $0.85 per cu.yd., 15,300 ton asphaltic concrete paving (Grading A) $8.35, total $143,055. Noted Jan. 4.

California—State Hy. Dept., Sacramento, grading and paving with asphalt macadam 8.5 mi. highway between Granada and Yreka, Siskiyou Co., to V. R. Dennis Constr. Co., McMinnville, Ore., $158,645. Noted Dec. 21.

Calif., El Centro—To J. A. Costello, 1083 Shotwell St., San Francisco, improving portions Orange, Commercial, 3rd and 4th Sts., $101,415; portions Neil, Holt, Hamilton, Vine Wensley and 7th Sts., $94,993; portions Olive and Brighton Aves., $56,754; portion 2 main alleys, $59,334; portions 5th, 6th, El Centro and Euclid Sts., $41,482. Noted Jan. 4.

Industrial Works

PROPOSED WORK

N. H., Nashua—Amer. Box and Lumber Co., 103 Main St., plans plant, at Edgeville, to replace one recently destroyed by fire, $175,000-$200,000. Architect not announced.

Mass., East Walpole—Bird & Son plan

Industrial Works (Continued)

large factory addition. Monks & Johnson, 99 Chauncey St., Boston, archts. and engrs.

Mass., Marlboro — Marlboro Wire Goods Co., High St., having plans prepared by J. F. Bigelow, archt., 64 Highland Ave., 1 story, 80 x 150 ft. factory, brick and steel, High St. $50,000.

Conn., Bridgeport — New Haven Dairy Co., 201 Hazel St., New Haven, plans 3 story ice cream factory, brick and concrete, Railroad and South Aves. $150,000. Architect not announced.

Conn., New Haven—H. M. Hodges & Bro., 290 York St., having plans prepared by Brown & Von Beren, archts., 185 Church St., 5 story, 40 x 60 ft. warehouse, brick and timber, York St. $40,000.

Conn., Norwalk — Griffing Mfg. Co., 61 Wall St., plans factory, brick and timber. $50,000. Architect not announced.

Conn., Waterbury—Connecticut Castings Co., Watertown Ave., plan large 1 story shop, brick and steel, Watertown Ave. Architect not announced.

N. Y., Buffalo—See "Buildings."

N. Y., Buffalo—Montgomery & Co., Court St. plans rebuilding lumber plant destroyed by fire. $200,000. Architect not announced.

N. Y., Jamestown—Acme Worsted Mills, Jones St. and Gifford Ave., plans 2 story, 70 x 100 ft., brick addition to mill. $100,000. Architect not announced.

N. Y., Marion — Wayne Food Products Co. plans reconstructing its plant, destroyed by fire. $70,000. Architect not announced.

N. Y., New York—Arctic Hygeia Ice Mfg. Co., 300 East 133rd St., having plans prepared by Ophuls & Hill, archts. and engrs., 112 West 42nd St., brick, steel and concrete addition to plant, plain foundation. $500,000.

N. Y., Niagara Falls—Cataract City Milling Co., Canal Basin, plans rebuilding major portion of its wheel house in lower Niagara River, destroyed by fire. $40,000. Architect not announced.

N. Y., Oswego—Netherlands Co., Inc., plans cold storage and milk pasteurization plant. $250,000.

N. Y., Saratoga — Saratoga Hospital, Church St., plans new central power house. $50,000. W. H. Vaughn, 400 Bway., engr.

N. Y., Syracuse — Onandaga Hide & Leather Co., East Water St., plans rebuilding portion of factory destroyed by fire. $45,000. Architect not announced.

N. Y., Syracuse—See "Buildings."

N. Y., Tonawanda — Hoefler Ice Cream Co., 61 Fillmore Ave., purchased site on Seymour and Adams Sts. and plans factory. To exceed $50,000. Architect not selected.

N. J., Atlantic City—P. Hernigs Sons Co., Inc., having plans prepared by W. H. Tunius, archt., Perry Bldg., Phila., and soon takes bids 1 story, 93 x 100 ft., milk depot, brick, plain foundation, Pennsylvania and Mediterranean Aves. $40,000.

N. J., Newark—Kolba Constr. & Wrecking Co., 28 Peshine Ave., having plans prepared by W. A. Tilton, archt., 76 Montgomery St., Jersey City, 1 story, 100 x 100 ft. and 45 x 101 ft., brick and timber garage, plain concrete foundation, Madison and Monroe Sts. $50,000.

Pa., Allentown—Penn Throw Silk Co., Lena and Collom Sts., Phila., soon takes bids 2 story and basement, 90 x 120 ft. brick and steel mill, plain foundation. $60,000. W. Steele & Sons, 16th and Arch Sts., Phila., engrs.

Pa., Easton—Binnery & Smith Co. having plans prepared by Lockwood-Greene & Co., engrs., 101 Park Ave., New York City, 4 story, 80 x 100 ft. rein.-con. plant and 250 hp. power plant.

Pa., Mount Carmel—Mt. Carmel Item, having plans prepared by W. Steele & Sons, archts., 16th and Arch Sts., Phila., 3 story, and basement, 50 x 50 ft. brick and steel, plant, plain foundation. $45,000.

Pa., Phila.—Phila. Electric Co., 10th and Chestnut Sts., plans addition to power house, three 30,000 k.w. units, Beach and Palmer Sts. $6,500,000 to $7,000,000. Stone & Webster, Real Estate Trust Bldg., engrs.

Pa., Pittsburgh—Hollander-Lewis Co., 1316 Forbes St., having plans prepared by T. Hannah, archt., Publication Bldg., 2 story, 80 x 135 ft. brick addition to factory, 1316 Forbes St. $40,000.

Pa., Reading—Reading Coal & Iron Co., plans to completely electrify all its machinery breakers on properties in Northumberland and Schuylkill Counties, work will include 5 or 6 large power plants, to exceed $500,000.

Md., Baltimore—F. A. Munsey Co., 280 Bway., New York City, and Baltimore, had plans prepared by McKim, Meade & White, archts., 101 Madison Ave., New York City, 2½ story, 96 x 200 ft. plant, rein.-con. and brick, concrete pile foundation, St. Paul Pl., Centre and Hamilton Sts., here. $450,000.

In 1922—
Construction News Service of *Engineering News-Record*

offered you a greater number of construction tips than in any preceding year.

We endeavored to serve you to the best of our capabilities in the year just past, and we shall continue to do so cheerfully in the year just started.

Here's a little résumé of the service rendered

	Number of items published					
	Bids Desired			Proposed Work		
	1922	1921	1920	1922	1921	1920
Water-Works	506	335	205	751	560	622
Sewers	500	407	340	675	563	540
Bridges	497	409	424	435	419	427
Waste Disposal	17	.....	.....	37	.....	.....
Dams	28	.....	.....	86	.....	.....
Railways	13	13	15	91	64	103
Excavation & Dredging	169	186	218	219	161	220
Streets and Roads	2,150	1,946	1,952	2,300	2,011	2,197
Industrial Works	546	420	427	1,840	1,514	1,514
Buildings	1,539	1,951	1,235	3,834	5,663	5,115
Federal Gov't Work	492	479	573	272	195	412
Miscellaneous	661	685	639	740	549	559
	7,118	6,831	6,028	11,280	11,699	11,709

In addition to 7,118 jobs on which bids were desired and 11,280 items of proposed work, we published 1,855 reports of bids received, 8,140 announcements of contracts awarded and 128 decrees of the Federal Power Commission.

A total for 1922 of.....28,521 items
Against the 1921 record of....27,455 items
For 1920.....26,986 items
And for 1919.....25,643 items

Are you taking full advantage of this valuable

Construction News Service

Industrial Works (Continued)

D. C., Wash. — Milburn-Heister Co., archts., 710-14th St., preparing plans for factory. $80,000. Owner's name withheld.

D. C., Wash.—H. Wardman, 1430 K St., N. W., is having plans prepared by Waggaman & Wardman, archts., 1430 K St., N. W., for warehouse, 64,000 sq. ft. floor space, here. Owner will build by separate contracts. $200,000.

N. C., Cramerton—Mays Mill, Inc., having plans prepared by J. E. Sirrine, archt., Greenville, S. C., addition to weave shed, to house 2,000 looms. $1,000,000. Noted Dec. 7.

N. C., Raleigh—Carolina Power & Light Co., plans 60,000 volt sub-station near State Hospital, here. P. A. Illevy, genl. mgr.

La., Marrero—Celotex Co., 636 Carondelet St., New Orleans, having plans prepared and will open bids end of January, 2 additional units to plant here, frame also brick, steel and rein.-con. buildings, $100,000.

La., Monroe—Atlas Oil Co. plans plant, $100,000, Architect not announced.

La., New Orleans—New Orleans Cigar Box Co., 1636 St. Roch St., plans 1 story factory, all shaped, 40 x 180 ft. and 60 x 90 ft. O. Moser, vice-pres.

Ky., Lexington—Lexington Mine & Mill Supply Co., 544 West Main St., plans 1 and 2 story, 50 x 210 ft., addition to plant, West Main St. $50,000. Architect not announced.

O., Cleveland—Eclipse Electrotype & Engraving Co., 2041 East 3rd St., plans 5 story, brick, steel and concrete plant, plain foundation, on lot 67 x 170 ft., 1457 Superior Ave. $200,000. Architect not selected.

O., Cleveland — Fisher Bros. Co., 2323 Lakeside Ave., having plans prepared by W. S. Lougee, archt., 500 Marshall Bldg., 1 and 2 story, 120 x 120 ft., brick, steel and concrete garage and machine shop, Lakeside Ave. near East 23rd St. $75,000.

O., Cleveland—Fuller Cleaning Co., 7606 Carnegie Ave., having plans prepared by J. F. Steffens, archt., Fidelity Mortgage Bldg., 3 story, dry cleaning plant, brick and concrete. $60,000.

O., Columbus—H. C. Godman Co., 31 North 4th St., having plans prepared by Richards, McCarty & Bulford, archts., 384 East Broad St., 1 story and basement, brick, concrete and steel factory, West State St. $75,000.

O., Dayton—C. Zonars Co., 116 West 4th St., plans 3 story and basement, 57 x 132 ft., rein.-con. and brick factory, 5th and Wilkinson Sts., $150,000. Architect not selected.

Ind., Brazil—Stout Furniture Co. plans 3 story and basement addition to factory, brick. $50,000. Architect not selected.

Ind., Clinton—Dering Coal Co., 332 South Michigan Ave., Chicago, having plans prepared by Allen & Garcia Co., engrs., 21 East Van Buren St., Chicago, 1 story, 50 x 125 ft. coal washer, brick, here. $50,000.

Ind., Evansville—Chicago & Eastern Illinois Ry., McCormick Bldg., Chicago, plans 2 story shops and roundhouse, Ross Ave. Rd., here. $3,000,000. Architectural Dept. of Company. archts.

Ind., Ft. Wayne—Ft. Wayne Box Co., Superior St., having plans prepared by C. R. Weatherhogg, archt., Citizens Trust, 4 story, 50 x 120 ft. factory, rein.-con. and brick, Superior St. $100,000. Noted Dec. 28.

Ind., Gary—Bd. Educ. having plans prepared by J. H. Wildermuth, archt., 690 Bway, 1 story, 70 x 115 ft. machine shop, foundry and laundry building, brick, 6th St. $40,000.

Ind., Indianapolis—Wangelin Sharp, 443 Virginia Ave., having plans prepared by R. F. Daggett, archt., Consolidated Bldg., 2 story and basement, 40 x 150 ft. plant, brick, Virginia Ave. $45,000.

Mich., Mottville—Michigan Gas & Electric Co., Three Rivers, having plans prepared by Holland, Ackerman & Holland, engrs., 53 West Jackson St., Chicago, 30 x 60 x 140 ft. hydro electric plant, on St. Joseph River, incl. rein.-con. dam 11 ft. 6 in. high, 250 ft. long. $400,000. Noted Jan. 4.

Ill., Chicago—Garibaldi & Cuneo, 1 West South Water St., having plans prepared by R. G. Schmidt & Co., archts., 154 West Randolph St., 4 story, 100 x 125 ft., factory, rein.-con., brick and steel, 212 West Illinois St. $50,000.

Wis., Green Bay—Green Bay Newspaper Co., 315 Cherry St., having plans prepared by Foeller, Schober & Stephenson, archts., Nicolet Bldg., 2 story and basement, 60 x 150 ft., printing plant, brick, terra cotta and concrete, plain foundation. $100,000.

Wis., Sheboygan—F. Hensel Co., North 7th and Center Sts., plans 2 story, 60 x 100 ft., garage, repair shop, etc., brick, rein.-con. and steel, plain foundation. Center St. $50,000. Architect not selected.

Wis., Sheboygan—J. and W. Jung Co., 720 North 8th St., having plans prepared by W. C. Weeks, archt., 720 Ontario Ave., 1 story, 50 x 100 ft., refrigerating plant and central heating station, brick, rein.-con. and steel, plain foundation. $50,000.

Wis., Sheboygan — Northern Furniture Co., South Water and New Jersey Sts., having plans prepared by W. C. Weeks, archt., 720 Ontario Ave., 2 story, 185 x 200 ft., brick, rein.-con. and steel factory, plain foundation. $75,000.

Minn., Minneapolis—Buzza Co., 16 South 8th St., having plans prepared by Magney & Tusler, archts., 126 South 9th St., 3 story addition to factory and office, rein.-con., brick and tile, Lake St. and Colfax Ave. $150,000.

Minn., St. Paul—St. Paul Gas Light Co., 6th and Cedar Sts., having plans prepared by Toltz, King & Day, engrs., 1410 Pioneer Bldg., 100 x 225 ft. generating plant, and 60 x 150 ft. coal pulverizing shed, brick and concrete, on island in Mississippi River near Omaha Rd. Bridge.

Mo., St. Louis—Von Hoffman Press, 9th and Walnut Sts., soon takes bids 7 story, 61 x 125 ft., brick addition to plant, plain foundation. $175,000.

Ark., Eldorado — North Amer. Oil Co., plans to rebuild refinery recently destroyed by fire. $200,000. Architect not announced.

Tex., Dallas—Oak Cliff Paper Mills, care E. T. Fleming, pres., having plans prepared box factory. $75,000. Architect not announced.

Idaho, Lewiston—Clearwater Timber Co., Old Natl. Bank Bldg., Spokane, Wash., having plans prepared by Wilkinson Bros., archts., Minneapolis, Minn., or sawmill, here. $2,000,000. F. W. Farnham, secy.

Wash., Kettle Falls — White Pine Sash Co., Myrtle St. along tracks Northern Pacific R.R., Spokane, having plans prepared by F. W. Horstkotte, engr., Mohawk Bldg., Spokane, and takes bids in spring, band sawmill, incl. power plant, dam logging road, etc., here. $150,000.

Wash., Walla Walla—Whitman Canning Co. plans cannery. $100,000.

Wash., Yakima—Northern Pacific R. R. having plans prepared freight terminal here, $150,000; also stations at Harrah and Wapato, $6,000 and $50,000 respectively. H. A. Glen, Yakima, engr. Noted Oct. 19.

Calif., Berkeley—C. H. Skidmore, archt., 426 Call Bldg., San Francisco, preparing plans 5 story, fireproof warehouse, University Ave. $100,000. Owners name withheld.

Calif., Oakland—C. H. Skidmore, archt., 426 Call Bldg., San Francisco, preparing plans 5 story, fireproof warehouse, San Pablo Ave. $90,000. Owners name withheld.

Calif., San Francisco—C. H. Skidmore, archt., 425 Call Bldg., preparing plans 5 story, fireproof warehouse, downtown district. $100,000. Owners name withheld.

Calif., San Francisco—Auto Service Co., of Los Angeles, care O'Brien Bros., Inc., archts., 240 Montgomery St., having plans prepared 1 story, rein.-con. garage and service building, Richmond district. $40,000.

Calif., San Rafael — National Ice Co., Postal Telegraph Bldg., San Francisco, having plans prepared 2 story, rein.-con. addition to ice plant, 4th St., here. $100,000. Private plans.

Calif., Visalia—Visalia Agricultural Wks. purchased 132 x 654 ft. site and plans factory, Pratt Villa Tract. J. S. Johnson, 415 North Garden St., member of company.

Que., East Broughton—Asbestos Mines Ltd., plans to rebuild plant recently destroyed by fire. $200,000. Architect not announced.

Ontario—See "Railways."

Ont., Dundas — Hydro Electric Power Comn., Hydro Bldg., University Ave., Toronto, plans to rebuild concrete, brick and steel substation and transformer station, recently destroyed by fire. $125,000. F. A. Gaby, ch. engr.

BIDS DESIRED

Mass., Pittsfield—H. N. Wilson, archt., 651 North St., taking bids 1 story, 60 x 110 ft. garage, brick, plain foundation, for W. K. George, 108 West Housatonic St. $55,000.

R. I., Providence—G. Wolf, archt., 88 Althea St., taking bids 1 story garage and service station, brick, concrete and steel, plain foundation, Library Court, for Goldberger & Steiner, Olneyville Sq. $40,000. Noted Nov. 16.

N. Y., Brooklyn — Rube Coal & Ice Corp., Glenmore Ave., 2 story, 120 x 151 ft., brick, steel and concrete plant, plain foundation, 18th Ave. near Cropsey Ave. $500,000. Work will be done by separate contracts under supervision of E. M. Adelsohn, 1778 Pitkin Ave., archts. and engrs.

Pa., Ardmore—C. Norton, archt., taking bids 2 story and basement, 60 x 150 ft. brick and steel garage, plain foundation, Lancaster Ave., for Harris, LeRoy & Clarke. $60,000.

N. C., Charlotte—Jan. 17, by Lockwood Greene & Co., engrs., Piedmont Bldg., 4 story, 150 x 180 ft., brick factory for H. M. Wade, South Graham Ext., $130,000. Noted Dec. 21.

Ill., Chicago—D. S. Klafter, archt., 64 West Randolph St., receiving bids 125 x 150 ft. garage, rein.-con., brick and steel, Lawrence Ave. near Kentucky St., for R. Schwartz, care architect.

Ill., Chicago—D. Mahaffey, archt., 110 North La Salle St., receiving bids 2 story, 79 x 80 ft. factory, rein.-con., brick and steel, Argyle and Lincoln Sts., for N. A. Strand & Co., 631 West Jackson Blvd. $50,000.

Ill., Shelbyville—Feb. 5, complete electric light and power plant. W. A. Fuller Co., Ry. Exch. Bldg., St. Louis, Mo., engrs.; adv. this issue. Noted Oct. 19.

Wis., Milwaukee—R. E. Oberst, archt., 317 Grand Ave., taking bids and opens same about Jan. 15, 1 story and basement, 64 x 100 ft. garage, brick, tile and concrete, plain foundation, for C. W. Valencourt, 172 12th St. $45,000.

Wis., Racine—Horlick Malted Milk Co., Northwestern Ave., taking bids 1 story 70 x 120 ft., brick and concrete garage, plain foundation, $40,000. Private plans.

Tex., Ft. Worth—Arctic Ice Co. taking bids 2 story ice plant, Jassamine and Clay Sts. $60,000. Engineer not announced.

Calif., Emeryville — Westinghouse Electric & Mfg. Co., 1st Natl. Bank Bldg., San Francisco, receiving bids first unit insulator factory, 1 and 2 story, on 12 acre tract here. B. H. Prack, Keyston Bldg., Pittsburgh, Pa., archt. Noted Dec. 7.

Ont., Toronto—Jan. 18, by Chairman Toronto Transportation Comn., 35 Yonge St., general repair shops, 1 story, brick and steel incl. boiler house and subsidiary buildings, also general stores building of rein.-con., Bathurst St. and Davenport Rd. $1,500,000. H. H. Couzens, genl. mgr.

BIDS RECEIVED

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, opened bids Jan. 2, general contract 2 story, 54 x 225 ft., rein.-con. and brick service building, plain foundation, for St. Louis Training School for Feeble Minded at Scott Farm, from J. A. Godfrey & Co., Wainwright Bldg., $107,433; J. J. Clark Constr. Co., Arcade Bldg., $108,927; Kellerman Contg. Co., Victoria Bldg., $110,391. Noted Dec. 7.

CONTRACTS AWARDED

Mass., Fitchburg—Star Worsted Co., 5 story, 67 x 125 ft. mill addition, brick and steel, plain foundation, to Wiley & Foss, Central St. Archts. est. $125,000. Noted Nov. 16.

Mass., Holyoke—Germania Mills, Race and South St., 6 story, 70 x 300 ft. factory and storage building, concrete and brick, South St., to Casper Ranger Constr. Co., 20 Bond St. Archts. est. $300,000.

Mass., New Bedford — Acuchnet Mills Corp., Delano St., 1 story, 60 x 100 ft. picker house, brick and timber, South Front St., to J. W. Bishop Co., 908 Purchase St. Archts. est. $40,000.

R. I., Woonsocket—A. E. Bonin, 137 Oakley Rd., 2 story, 104 x 106 ft. mill, brick and timber, plain foundation, Mendon Rd., to J. A. Savoie, Woonsocket (street address not available). Archts. est. $75,000.

Conn., Bristol—H. H. Judd, West and Laurel Sts., will build 1 story, 80 x 100 ft. garage, brick and steel, plain foundation, West and Laurel Sts., by day labor. $40,000. H. A. Hayden, 175 Main St., archt.

Conn., New Haven—R. G. Davis & Sons, 552 Grand Ave., 3 story, 50 x 125 ft. plant, rein.-con. and brick, plain foundation, Grand Ave., to Sperry Eng. Co., 82 Church St. Archts. est. $60,000.

Conn., New Haven—Yale University, 1 story and basement, 55 x 70 ft. and 50 x 65 ft. power plant, brick and rein.-con., plain foundation, Rose St., to Thompson-Starret, Inc., 49 Wall St., New York City. Archts. est. $500,000.

Industrial Works (Continued)

Conn., Stamford—Stamford Gas & Electric Co., 11-17 Bank St., 3 story switch house, brick, steel and concrete, plain foundation, to T. J. Pardy Constr. Co., 1237 Seaview Ave., Bridgeport. Archts. est. $50,000.

N. Y., Jamestown — Jamestown Metal Desk Co., 104 Blackstone Ave., 1 story, 100 x 200 ft., brick and stone factory addition, to P. A. Peterson, 108 Charles St. Archts. est. $40,000. Noted Jan. 4.

N. Y., New York—D. Picin, c/o M. Del Gaudio, archt. and engr., 160 West 45th St., 1 story, 95 x 210 ft., brick, steel and concrete garage, plain foundation, 170th St. and 3rd Ave., by day labor. $50,000.

N. J., Trenton—Trenton Potteries Co., 4 story, 72 x 114 ft., brick and steel plant, Lalor St., to S. W. Mather & Sons, Greenwood Ave., $95,000. Noted Dec. 14.

Pa., Erie — Watson Peck Co., Erie, 2 story, 50 x 110 ft. steel garage and service station, State St., to Erie Steel Constr. Co., Erie.

Md., Baltimore—Poe & Davies, Standard Oil Bldg., 2 story, 98 x 110 ft. garage and salesroom, rein.-con. and brick, plain foundation, 414-24 North Calvert St., to J. Waters Building Co., 23 East Centre St., $54,000. Maryland Motors, Inc., 607 St. Paul St., lessee.

W. Va., Logan—Kentucky and West Virginia Power Co., enlarging power plant, incl. 125 mi. lines from here to Hazard, Ky., to Foundation Co., 120 liberty St., New York City, $800,000. Noted Dec. 28.

W. Va., Parkersburg—Blackwood Electric Steel Corp., 1 story, 140 x 230 ft., factory, to Plate & Vogel, Parkersburg. Noted Nov. 23.

Tenn., Union City—Brown Shoe Co., 1700 Washington Ave., St. Louis, Mo., 3 story, 45 x 250 ft. and 60 x 80 ft. factory, brick, plain foundation, to T. J. Nahahan, Boatmans Bank Bldg., St. Louis, Mo. Archts. est. $200,000.

O., Cleveland—Cox Brass & Mfg. Co., 5601 Carnegie Ave., 1 story, 60 x 200 ft., brick and steel warehouse and machine shop, East 55th St. and Luther Ave., to W. Dunbar Co., 8201 Cedar Ave. Archts. est. $50,000.

O., Cleveland—Peerless Motor Co., 2555 East 93rd St., 1 story, 60 x 156 ft., steel factory, to Trus-con Steel Co., Cook Bldg. Archts. est. $40,000.

Ind., Crawfordsville—City, 1 story, 28 ft. extension to light and power plant, 200 ft. radial stack, etc., brick, to Bowyer Constr. Co., Newcastle, $45,000. Noted Oct. 5.

Ind., Lawrenceburg—Johnson & Klare Furniture Co., will build 3 story, 80 x 200 ft. factory addition, frame and stucco, by day labor. $58,000. Private plans. Noted Dec. 23.

Mich., Detroit—Pub. Lighting Comn., East Atwater St., rein.-con., steel and stone sub-station, to Gorrick Bros., 507 Owen Bldg., $54,989.

Ill., Cahokia—Union Electric Light & Power Co., 12th and Locusts Sts., St. Louis, Mo., 1st unit or approximately one-fourth of eventual plant, which will measure 345 x 800 ft., and generate 320,000 hp., rein.-con., brick and steel building, to McClellan & Junkersfeld, 45 William St., New York City. Equipment for first unit will embrace 2 steam turbo-generator units, each 40,000 hp. capacity, 8 super boilers, etc. Cost of 1st unit $8,500,000 with $1,500,000 additional for cables, conduits, etc. Eventual cost $25,000,000 without interconnections. Noted March 30 under "East St. Louis."

Ill., Chicago—F. J. Fadner, 941 Glengyle Pl., 2 story, 106 x 135 ft. garage, rein.-con., brick and steel, 1824-32 Juneway Terrace, to H. Janisch & Co., 1813 Winona St. Archts. est. $125,000. Noted Dec. 21.

Wis., Milwaukee — Barclay Realty Co., c/o J. P. Bruecker, archt., 482 Frederick Ave., 2 story, 100 x 142 ft., brick and timber warehouse, plain foundation, Barclay St., to G. E. Kahn, 114 Grand Ave. Archts. est. $45,000.

Wis., Milwaukee—T. L. Smith Co., 1125 32nd St., 2 story 40 x 85 ft., brick and timber warehouse, plain foundation, to Klug & Smith Co., 69 Wisconsin St. Engrs. est. $40,000.

Wis., Sheboygan Falls — Falls Motor Co. 1 story, 50 x 75 ft., brick and rein.-con. factory, to M. Stubenrauch, 1820 North 7th St., Sheboygan. Noted Dec. 14.

Wis., West Allis—Gas Tank Recharging Co., 1245 23rd Ave., Milwaukee, 1 story, brick and concrete plant, plain foundation, 60th Ave., here, to O. C. Randolph, 53 West Jackson Blvd., Chicago. Engrs. est. $65,000. Noted Dec. 28.

Minn., St. Paul—Amer. Radiator Co., 1807 Elmwood Ave., Buffalo, N. Y., 1 and 2 story factory, 1,000 ft. long, 65-200 ft. wide, brick, concrete and tile, Minnehaha and Fairview Aves., here, general contract to H. C. Struchen, 405 Dakota Bldg. Noted Nov. 2.

Mo., St. Louis—R. Britton, 2 story, 112 x 124 ft., brick factory, plain foundation, Rankin Ave., to Pelligreen Contg. Co., 816 Chestnut St. Archts. est. $55,000.

Ont., Welland — Welland Cotton Mills, Ltd., general contract for 1 and 2 story, 100 x 350 ft. rein.-con. and brick mill, to Diffin Constr. Co., Main St. E. Archts. est. $250,000. Noted Nov. 30.

Buildings

PROPOSED WORK

Me., Portland—Hotel—Hotel Brunswick, 21 Preble St., having plans prepared by Desmond & Lord, archts., 1 Beacon St., Boston, 5 story, 61 x 125 ft. addition, brick and steel, Preble St. $150,000.

Mass., Boston—Bank—Home Savings Bank, 75 Tremont St., plans bank and office building. $2,000,000. Architect not selected.

Mass., New Bedford — High School — City having plans prepared by F. I. Cooper Corp., archts., 172 Tremont St., Boston, 4 story brick and concrete. $300,000.

Mass., Springfield—Synagogue—Congregation Beth-Israel, c/o B. Wozny, archt., 94 State St., having plans prepared 2 story and basement, brick and steel, Chestnut St. $150,000.

Mass., Three Rivers—Church—St. Annes Roman Catholic Church plans church. $300,000. L. Geoffray, pastor.

Mass., Watertown — Church — Phillips Congregational Church, 24 South Market St., having plans prepared by G. F. Newton and R. H. Wambolt, archts., 6 Beacon St., Boston, and takes bids in about 2 months, 2 story, probably stone, South Market St. $160,000.

Conn., Hartford—Apartment—L. Bitondi, 192 Front St., having plans prepared by J. E. Marchetti, archt., 721 Main St., 4 story and basement, 50 x 110 ft., brick and steel, Vernon St. $150,000.

Conn., Hartford — Church — First and South Baptist Church, plans 1 story and basement, brick and stone, Main St. $150,000. H. B. Austin, 64 Russ St., member of com. Architect not selected.

Conn., Thompsonville—School and Convent—St. Adelbert's Church plans parochial school and convent, 2 story and basement, brick and steel. $150,000. J. Federkiewicz, pastor. H. F. Ludorf, 122 Main St., New Britain, archt.

Conn., Waterbury—Church and Parish House — Bunker Hill Congregational Church, c/o M. O. Owens, pastor, 22 Marion St., plans brick and stone, Bunker Hill Ave. and Windsor St. $150,000. F. A. Webster, 51 West Main St., archt.

N. Y., Allegany—Dormitory—St. Bonaventures College plans new dormitory, hotel style, 500 student capacity, on eastern end of college grounds. $150,000. Architect not announced.

N. Y., Binghamton—School—Bd. Educ. plans new school to replace present Carroll and Pine St. buildings. $376,000. Architect not announced.

N. Y., Buffalo—School, etc.—Nichols School, Amherst and Colvin Sts., plans 3 new buildings containing dining hall, study hall, offices, etc. also plans central heating plant. $175,000. Architect not selected.

N. Y., Buffalo—Store and Office—Huyler Candy Co., 350 Main St., plans store and office building, Delaware Ave. To exceed $200,000. Architect not selected.

N. Y., Elmira—Dormitories, etc.—Elmira College plans new dormitory buildings $150,000, gymnasium $100,000, library $100,000, hall $100,000 and administration building $50,000. Architect not announced.

N. Y., Kingston—School and Recreation—Immanuel Evangelical Lutheran Congregation having plans prepared by Siewert & Fries, archts., 2524 Fond du Lac Ave., Milwaukee, Wis., 2 story and basement, 50 x 120 ft., brick and tile, plain foundation. $150,000. F. T. Schroeder, pastor.

N. Y., Lockport—School—School Bd. purchased site on High St. and plans school and athletic field. $175,000.

N. Y., Lockport—School—Bd. Educ. having preliminary plans prepared by C. G. Schmill & Sons, archts., Prudential Bldg., Buffalo, 2 story and basement, rein.-con. and brick, Clinton St. $200,000.

N. Y., New York — Apartment — E. Brandt, c/o Springsteen & Goldhammer, archts. and engrs., 32 Union Sq., having plans prepared 5 story, brick, steel and stone, plain foundation, Edgecomb Ave. and 159th St. $250,000.

N. Y., New York—Apartment—S. Hoseff & Son, c/o R. T. Lyons, archt. and engr., 342 Madison Ave., having plans prepared 14 story, brick, steel and stone, plain foundation, Cathedral Parkway. $1,000,000.

N. Y., New York—Hotel—P. Melrowitz, c/o Sommerfeld & Steckler, archts. and engrs., 31 Union Sq., having plans prepared 14 story, 75 x 100 ft., brick, steel and stone, plain foundation, 111-115 West 46th St. $700,000.

N. Y., New York—Office—H. W. Jones-Mansville Co., Inc., Madison Ave. and 41st St., having plans prepared by Ludlow & Peabody, archts. and engrs., 101 Park Ave., 16 story, brick, steel and stone addition, plain foundation.

N. Y., New York—Theatre—A. L. Erlanger, 214 West 42nd St., having plans prepared by Warren & Wetmore, archts. and engrs., 16 East 47th St., 2 story, 90 x 125 ft., brick, steel and stone, 246 West 44th St. $500,000.

N. Y., Niagara Falls—Hotel—Chamber of Commerce having preliminary plans prepared by Esenwein & Johnson, archts., Ellicott Sq. Bldg., Buffalo, 11 story and basement, rein.-con., brick and steel, 1st St. $1,000,000. Noted Nov. 23.

N. Y., Riverhead—Bank—Riverhead Savings Bank, plans 3 story, brick, steel and stone, plain foundation, $200,000. Architect and engineer not selected.

N. Y., Rochester—Office—Neisner Bros., Inc., 190 Main St., plan 8 story, brick and steel, $250,000. Architect not announced.

N. Y., Rochester—Office—H. Sibley Estate, Sibley Bldg., having preliminary plans prepared by Gordon & Kaelber, archts., 126 Sibley Bldg., 3 story, 54 x 332 ft., brick and steel addition, 328 East Main St. $200,000.

N. Y., Syracuse—Hospital—Bd. Contr. & Supply plans hospital, Teall Ave. $400,000. Architect and engineer not selected.

N. Y., Syracuse—Hospital, etc.—St. Joseph's Hospital plans 5 story, 100 x 275 ft., concrete, brick and steel, hospital, power house and laundry building, Prospect Ave. $500,000. Noted Dec. 15, 1921.

N. Y., Syracuse—School—Bd. Contr. & Supply plans new Danforth School, West Kennedy St. $300,000. J. S. Randall, S. A. and K. Bldg., archt. and engr.

N. J., Bordentown—High School—Fowler & Seaman, archts., Broad St. Bank Bldg., Trenton, rejected bids opened Dec. 11, 2 story and basement, 92 x 121 ft. brick and steel, here, for Bd. Educ. Project postponed. Noted Dec. 21.

N. J., Jersey City—Apartment—C. H. Ziegler, archt., 75 Montgomery St., takes bids about Feb. 15, 5 story, 75 x 126 ft., brick, terra cotta and limestone, Glenwood Ave., for N. Delia Constr. Co., 574 Newark Ave. $150,000.

N. J., Newark—Apartment—S. and H. Constr. Co., 150 Harrison St., East Orange, having plans prepared by R. Bottelli, archt., 207 Market St., and takes bids about Feb. 1, 5 story, 100 x 120 ft., brick, steel and marble, Prospect Ave. and Treadwell St. $400,000.

N. J., Overbrook (Verona P. O.)—Hospital—Sutton & Sutton, archts., 402 Broad St., Newark, preparing plans and take bids in about 2 months, 2 and 3 story, rein.-con., brick and steel, here, for Essex Co. (Newark). $1,000,000.

Pa., Altoona—Synagogue—Agudth Achim Hebrew Orthadox Congregation, 1306 17th St., plans 2 story and basement, 50 x 142 ft. brick and stone. $150,000. J. Berman, 921½ A 26th St., chn. com. Architect not selected.

Pa., Beaver—College—Beaver College taking competitive sketches for steel, stone and terra cotta college buildings, Dutch Ridge Rd. $1,250,000. Noted Sept. 28.

Pa., Erie—Y. W. C. A., 134 East 44th St., New York City, soon takes bids 3 story, brick, steel and stone, plain foundation, West 7th St., here. $200,000. W. F. Thompson, 342 Madison Ave., New York City, archt.

Pa., Johnstown—Church—Zion Lutheran Church, plans 80 x 120 ft. steel and stone, Locust St. $150,000. C. Young, pres.

Pa., New Castle — St. Johns Lutheran Church, plans church, to exceed $150,000. C. W. H. Hess, deacon. Architect not selected.

Pa., Phila.—Apartment—Kenin & Shapiro, 5850 Market St., soon take bids 4 story and basement, brick and stone, 63rd and Jefferson Sts. $500,000. K. F. Otto, 3 North 19th St., archt.

Pa., Phila. — Church — Gloria Dei Lutheran Church, 5204 North Carlisle St.,

Buildings (Continued)

soon takes bids 1 story and basement, brick, steel and stone, plain foundation, 7th St. and North East Blvd. $200,000. C. W. Bolton & Sons, Witherspoon Bldg., archts.

Pa., Phila.—Schools—Bd. Educ., 19th and Chestnut Sts., soon takes bids 4 story and basement, 350 x 380 ft., 54th and Berks Sts., $750,000, 3 story, Large and Haworth Aves., $375,000, 3 story and basement, 17th and Ludley Aves., $450,000, all brick and stone. Private plans.

Pa., Sharon—Clubhouse—B. P. O. E. plans new clubhouse here, to exceed $150,000. Architect not announced.

Pa., Uniontown—Bank and Office—Citizens Title & Trust Co. having plans prepared by A. Kahn, archt., 1000 Marquette Bldg., Detroit, Mich., and H. W. Altman, associated archt., Uniontown, 2 story and basement, 43 x 150 ft., Main St. and Bway. $200,000.

Del., Wilmington—Hospital—Sisters of Mercy, c/o J. J. Monaghan, bishop, plans 4 story and basement, stone and brick, plain foundation, 7th and Clayton Sts. $500,000. Architect not selected.

Md., Baltimore — Clubhouse — Park Bd. had plans prepared by J. Pennington, archt., 330 North Charles St., 2 story, brick, plain foundation, Venable Park. $150,000. J. C. Boyd, Druid Hill Park, pres.

Md., Baltimore — Laboratory — Johns Hopkins University, Homewood, had plans prepared by E. L. Palmer, archt., 513 North Charles St., and H. E. Doeleman, engr., 507 North Charles St., 4 story, brick. $600,000.

Md., Frederick — Home — I.O.O.F., Cathedral and Saratoga Sts., had plans prepared by J. E. Sperry, archt., Calvert Bldg., seven 2 story, brick. $300,000. W. A. Jones, grand secy.

D. C., Wash.—Apartment—H. B. Davidson, 1432 K St., having plans prepared by C. West, archt., Maryland Bldg., for apartment house. $300,000.

D. C., Wash.—Apartment—D. J. Partello, 4227 8th St., N. W., having plans prepared for apartment building. $150,000. Architect not announced.

D. C., Wash.—Apartment—J. Randall, Albes Bldg., plans apartment building. $250,000. Architect not announced.

D. C., Wash.—Hotel—Powhatan Hotel Co., 18th St. and Pennsylvania Ave., N. W., having plans prepared by G. N. Ray, archt., 1147 Connecticut Ave., 10 story addition. $500,000. E. C. Owens, mgr. Noted Sept. 28.

N. C., Charlotte—Theatre—O. J. Theis, et al., Myers Park, having plans prepared by C. C. Hook, archt., Trust Bldg., theatre. $200,000.

N. C., Winston-Salem — Courthouse — Forsyth, Co. plans courthouse. $300,000. L. Cash, chn. Bd. Co. Comrs. Architect not selected.

La., New Orleans—Hotel—L. Jacobs, Liverpool, London, and Globe Bldg., and A. D. Dansiger, Carondelet Bldg., having revised plans prepared by Weiss & Dreyfus, archts., Maison Blanche Bldg., and takes bids about Feb. 1, 4 story, 121 x 128 ft. Canal, North Rampart and Basin Sts. $175,000.

Tenn., Nashville—Dormitory, etc.—Peabody Teachers College, raising funds for dormitory, $200,000; 4 other buildings contemplated incl. demonstration schoo.l $400,000; administration building $200,000; men's dormitory $200,000; science hall $200,000. B. R. Payne, dir. Architect not selected.

Ky., Louisville—Temple—Koslar Temple of Mystic Shrine having plans prepared by Joseph & Joseph, archts., Francis Bldg., for temple. $600,000.

O., Cleveland—Apartment—R. A. Boccia, 9902 Leo Ave., having plans prepared by H. W. Grieme, archt., 110 Engineers Bldg., 4 story, 45 x 120 ft., brick and timber, plain foundation, 1849 East 90th St.

O., Cleveland—Hospital—R. S. Harsh, archt., Ohio Hartman Bldg., Columbus, rejected bids opened Jan. 3, 1 story and basement, 180 x 180 ft., concrete and brick, at Cleveland State Hospital, here, for Dept. Pub. Welfare, 9th and Oak Sts., Columbus. Will readvertise. $175,000. Noted Dec. 14.

O., Cleveland—Hotel—Hollenden Hotel Co., c/o J. Thompson, mgr., East 6th St. and Superior Ave., plans 10 or 12 story, brick, steel and concrete addition, Superior Ave. near East 6th St. $2,000,000. Architects name withheld.

O., Cleveland — Orphanage — Cleveland Protestant Orphan Asylum, c/o E. J. Henry, supt., 5000 St. Clair Ave., having preliminary plans prepared by C. W. Hopkinson, archt., 900 Rose Bldg., 1 and 2 story, brick, steel and concrete, plain foundation, Harper and South Kinsman Rds. $500,000.

O., Cleveland—School—Bd. Educ., East 6th St. and Rockwell Ave., having plans prepared by W. R. McCornack, archt., East 6th St. and Rockwell Ave., 2 story, 12 room, brick, steel and concrete, East 131st St. and Corlett Ave. $200,000.

O., Cleveland—Store and Apartment—Bonar Realty Co., c/o P. F. Price, 307 Union Bldg., having plans prepared by Allen Osborn Co., archts., Rose Bldg., 4 story, Mayfield Rd., $225,000, and 3 story, 70 x 175 ft., Euclid Ave., $150,000, both brick and timber, plain foundations.

O., Cleveland—Store and Apartment—L. B. Cahn, 10615 Grantwood Ave., plans 3 or 4 story, 100 x 130 ft., brick and steel, East 105th St. south of St. Clair Ave. $250,000. Architect not selected.

O., Cleveland—Store and Apartment—M. Marmorstein, Ulmer Bldg., had plans prepared by S. H. White, archt., 1032 Schofield Bldg., 12 story, 150 x 172 ft., brick, steel and concrete, Euclid Ave. and Ford Dr. $200,000. Noted Nov. 2.

O., Lorain—Commercial and Clubhouse—Fraternal Order of Eagles, c/o P. W. Cook, chn. building com., having plans prepared by P. Rissman, archt., Lorain, 5 story, brick, steel and concrete, 6th St. and Bway. $250,000.

Ind., Delphi—High School—Bd. Educ. plans 2 story and basement, brick. $250,000. E. E. Dunlap & Co., 1050 North Delaware St., Indianapolis, archts.

Williamsport (Pa.) Building

Permits: 1100 for new buildings (double the number for 1921), valued at $1,443,814, as compared with $1,412,103 the year before. In 1921 permits numbered 557; in 1920, there were 307; and 207 in 1919, valued at $313,859—Construction News Correspondent.

Ind., Ft. Wayne—College—Ross College, West Jefferson St., plans 4 story and basement addition, brick and steel, West Jefferson St. $150,000. A. M. Strauss, 706-7-8 Shoaff St., archt.

Ind., Frankfort—High School—Bd. Educ. plans 2 story and basement brick. $200,000. Architect not selected.

Ind., Hammond—Hotel—Dickson Bros. Hotel Co., State St., plans 3 story and basement, 50 x 125 ft., brick, State St. $150,000. Private plans.

Ind., Indianapolis—Apartment—W. F. Meyers, Indiana Pythian Bldg., plans 3 story and basement, 65 x 132 ft., brick and stone, Woodruff Pl. $150,000. Private plans.

Ind., Indianapolis—Apartment—H. H. Woodsmall, Fidelity Trust Bldg., having revised plans prepared by D. Graham, archt., Hume-Mansur Bldg., 3 story and basement, rein.-con., steel and brick, 3847-49 North Meridian St. $600,000.

Ind., Indianapolis—Business and Apartment—R. S. MacGregor, 312 North Meridian St., plans 2 story and basement, 120 x 142 ft., rein.-con. and brick, East Washington St. $150,000. Private plans.

Ind., Indianapolis—High Schools—Bd. Educ. plans high school for colored children 2 story and basement, $500,000; West Side High School, 2 story and basement, $500,000, both brick. Architect not selected.

Ind., Indianapolis—Office—Amer. Central Life Insurance Co., 8 East Market St., plans 4 story and basement, brick, North Meridian St., $200,000. Rubush & Hunter, Amer. Central Life Bldg., archts.

Ind., Indianapolis—Office—E. Lilly & Co., 210 East McCarty St., having plans prepared by R. F. Daggett, archt., Lemcke Annex, 5 story and basement, 50 x 180 ft., rein.-con. and brick, South Alabama St. $225,000.

Ind., Indianapolis — Office — Monument Place Building Corp., care Vonnegut, Bohn & Mueller, archts., Indiana Trust Bldg., plans 14 story and basement, rein.-con. steel and brick, North Meridian St. $1,000,000.

Ind., Indianapolis—Office—E. G. Spink, Hume-Mansur Bldg., having plans prepared by W. K. Eldridge, archt., Hume-Mansur Bldg., 9 story and basement, 67 x 130 ft., brick and stone, East Michigan St. $875,000.

Ind., Logansport — High School — Bd. Educ. having revised plans prepared by Allen & Garlott, archts., Masonic Temple, 2 story and basement, 122 x 160 ft., brick and steel. $200,000. Noted Aug. 17.

Ind., Martinsville — Church — Christian Church plans 2 story and basement, brick, $150,000. A. A. Honeywell, Fenway Bldg., Indianapolis, archt.

Mich., Detroit—Apartment and Store—Kohner & Seeler, archts., 1402 Kresge Bldg., preparing plans 8 story, 125 x 130 ft. brick and steel, plain foundation, Hamilton Ave. and West Grand Blvd. $300,000. Owner's name withheld.

Mich., Detroit — Church — St. Theresa Church, c/o Van Leyen, Schilling, Keough & Reynolds, archts., 3440 Cass Ave., having plans prepared 2 story, 61 x 173 ft. brick and stone, plain foundation. $200,000.

Mich., Detroit—Clubhouse—League of Catholic Women, 89 Watson St., having plans prepared by Smith, Hinchman & Grylls, archts., 800 Marquette Bldg., 6 story and basement, 100 x 150 ft. concrete, brick, steel and stone, Parsons St. $350,000.

Mich., Highland Park (Detroit P. O.)—Apartment—Hamilton Land Co., c/o J. P. Jogerst, archt., 1951 Ford Bldg., Detroit, having plans prepared 16 story, 105 x 212 ft. concrete, brick and steel, plain foundation, $2,500,000.

Ill., Chicago—High School—St. Joseph's Convent, 575 Layton Blvd., Milwaukee, Wis., soon receives bids 4 story and basement, 220 x 236 ft., brick and concrete, plain foundation, Lawndale Ave. and Byron St. here, $500,000. Brust & Philipp, 405 Bway. Milwaukee, Wis., archts. Noted Nov. 2.

Ill., Evanston—Apartment—J. A. Nyden, archt., 190 North State St., Chicago, preparing plans 3 story, 60 x 100 ft., rein.-con., brick and steel, Michigan Ave. and Keeney St., here. $200,000. Owner's name withheld.

Ill., Evanston—Store and Office—Church St. Building Corp. c/o J. A. Nyden, archt., 190 North State St., Chicago, plans 2 story, 185 x 200 ft., rein.-con., brick and steel, Church and Orrington Sts., here. $200,000.

Ill., Naperville—Church—Saints Peter and Paul Catholic Parish, c/o H. J. Gaul, archt., 111 West Washington St., Chicago, plans 1 story, rein.-con., brick and steel, here. $150,000.

Wis., Fond du Lac—School—St. Patricks Congregation, c/o T. J. Cosgrove, pastor, 19 East Follett St., having preliminary plans prepared by F. J. Stepnoski, archt., 93 South Main St., 2 story and basement, brick, tile and concrete, plain foundation. $150,000.

Wis., Green Bay—High School—Bd. Educ., c/o I. H. McIntire, supt., soon takes bids 3 story and basement, 120 x 400 ft., brick, tile and concrete, plain foundation. Foeller, Schober & Stephenson, Nicollet Bldg., archts.

Wis., Kenosha—School—St. James Congregation, c/o R. J. Smith, pastor, 305 Sheridan Rd., plans 2 story and basement, brick and concrete, plain foundation, Sheridan Rd. $150,000. Architect not selected.

Wis., Milwaukee—High School—Our Lady of Mercy Academy, 705 Natl. Ave., had plans prepared by Brust & Philipp, archts., 405 Bway., and soon takes bids 3 story and basement, 106 x 150 ft., brick and concrete, plain foundation, Mineral and 15th Sts. $300,000.

Wis., Milwaukee—Office—M. Goldstine, 220 South State St., Chicago, plans 8 story and basement, 40 x 90 ft., brick and concrete, plain foundation, Grand Ave. and 3rd St., here. $350,000. Architect not selected.

Ia., Cedar Rapids—Lodge—Iowa Consistory Assn., c/o A. Hurst, Cedar Rapids, having plans prepared by B. Rugh, archt., 811 Security Bldg., for consistory lodge building, North 6th St., between A and B Aves. $400,000.

Ia., Ida Grove—School—Bd. Educ. having plans prepared by Keffer & Jones, archts., 204 Masonic Temple, Des Moines, for school. $175,000 bonds voted. J. T. Peterson, secy. Noted Dec. 14.

Minn., Brainerd — High School — Bd. Educ. plans 3 story and basement, rein.-con., brick, tile and stone. $300,000. L. F. Hohman, clk. Architect not announced.

Minn., Minneapolis—Club—Minneapolis Aerie 34, Fraternal Order of Eagles, 1927 Central Ave., having sketches made by Newstrom-Lindquist Co., archts., 810 Lumber Exchange Bldg., 4 story and basement, 82 x 132 ft., 4th Ave. S. and 8th St.

Minn., Minneapolis—Schools—Bd. Educ. plans Junior High School, in Franklin district, near 15th Ave. N. and 4th St., 3 story and basement, $475,000; grade school in Johnson Dist., near 38th Ave. S. and 31st St., 2 story and basement, $185,000; grade school in Motley Dist., Washington Ave. S.E. and Oak St., $160,000, all rein.-con. brick and tile. Div. of Designs, Bd. Educ., 305 City Hall, archts. Noted Nov. 23.

Kan., Wichita—Apartment—L. M. Crawford, 108 East 8th St., Topeka, having plans prepared by Squires & Ross, archts., 628 Kansas Ave., Topeka, 4 story, 60 x 90 ft., brick, plain foundation, Williams and Topeka Sts., here. $200,000.

Buildings (Continued)

Kan., Wichita — Apartment — O. Skirk, 240 North Topeka St., having plans prepared by Eberson & Weaver, archts., Orpheum Bldg., 7 story, 100 x 140 ft., rein.-con. and brick, plain foundation. $400,000.

Kan., Wichita—Home—Kansas Masonic Home Co., 404 South Seneca St., having preliminary plans prepared by G. Thomas, archt., 601 Caldwell Murdock Bldg., for additions incl. 25 x 63 ft. boys' building, 24 x 58 ft. girls' building, 33 x 74 ft. women's building and 33 x 64 ft. women's building, tile and stucco, also dairy barn. $150,000.

Neb., Falls City—Courthouse—Richardson Co. takes bids about Jan. 15, 2 story and basement, 66 x 100 ft., brick, steel and terra cotta. $200,000. W. F. Gernandt, 701 Omaha L. & B. Assn. Bldg., Omaha, archt. Noted Dec. 28.

Neb., Omaha—Museum—S. Joslyn, c/o J. and A. McDonald, archts., 204 Standard Oil Bldg., having plans prepared 2 story and basement, 180 x 430 ft., rein.-con., granite and marble, 22nd to 24th Sts. and Dodge St. to Capital Ave. $3,000,000.

N. D., Wahpeton—High School—Bd. Educ. plans 3 story and basement, rein.-con., brick, tile and stone. $200,000. Architect not announced.

Mont., Glendive—Store and Office—W. F. Stutz plans 4 story and basement, rein.-con., brick, tile and stone, Merrill Ave. and Towne St. $150,000. Architect not announced.

Mo., Sedalia—Court House—Pettis Co. plans election to vote on $250,000 bonds new 3 story court house, City Sq., to replace one destroyed by fire.

Tex., Amarillo — Club — Masonic Lodge having plans prepared by H. M. Green Co., archts. and engrs., Texas Bldg., Dallas, 4 story and basement. $250,000.

Tex., Dallas—Schools—Election in April to vote on $1,000,000 bond issue for new high school, 3 new elementary schools and additions and repairs. C. M. Moore, secy.

Tex., Ft. Worth—Church—First Baptist Church, North Ft. Worth St., 2 story, stone and steel addition, Throckmorton St. $200,000.

Tex., Ft. Worth—Fire Station—Voted $200,000 bonds for fire station. D. L. Lewis, city engr.

Tex., Ft. Worth—Municipal—City plans new municipal building and auditorium, probably on Jennings and Throckmorton Sts. $1,000,000. W. B. Townsend, finance comr.

Nev., Reno—Depot—Southern Pacific Co. Southern Pacific Bldg., San Francisco, Calif., had plans prepared 1 story, frame and stucco passenger depot, 400 ft. long, and 1 story, concrete and steel freight depot, 800 ft. long, here. $250,000. G. W. Boschke, 65 Market St., San Francisco, Calif., ch. engr.

Wash., Kalama—Court House—Cowlitz Co. having plans prepared by W. W. Lucas, archt., Lewis Bldg., Portland, Ore., for court house. $150,000.

Wash., Walla Walla—Hotel—Tourist Hotel Assn. raising funds to build hotel. $350,000.

Calif., Berkeley—Store and Office—L. W. Hink, c/o Hink Dept. Store, Durant St. and Shattuck Ave., having plans prepared by W. H. Ratcliff, Jr., archt., 1st Natl. Bank Bldg., 50 x 80 ft., probably 5 story rein.-con., Durant St. and Shattuck Ave.

Calif., Long Beach—Store and Apartment—W. D. Lovell, et al., c/o W. H. Austin, archt., 1st Natl. Bank Bldg., Los Angeles, having plans prepared 3 story, brick and steel, Pine and 6th Sts. $250,000.

Calif., Oakland—Apartment—P. C. Renaud, c/o W. E. Schirmer, archt., Thayer Bldg., having plans prepared 4 story, rein.-con., Lake Merritt Dist. $150,000.

Calif., Oakland—Theatre and Hotel—Franklin Theatre Co., c/o Weeks & Day, archts., California Insurance Bldg., San Francisco, had preliminary plans prepared fireproof theatre and hotel, Grand Ave. and Bway. $350,000.

Calif., San Francisco — Apartments — G. W. Burnett, 141 Sutter St., having plans prepared by C. H. Skidmore, archt., 426 Call Bldg., 7 story, Pacific Ave., $120,000; 6 story, both brick and concrete, California St., $100,000.

Calif., San Francisco — Apartment — H. Shermund, archt., Hearst Bldg., preparing plans 6 story and basement, rein.-con., California St. near Jones St. $250,000. Owners name withheld.

Calif., San Francisco—Apartment and Store—A. F. Rousseau, 110 Sutter St., plans 6 story, concrete and steel, southeast Ellis and Taylor Sts. To exceed $150,000. Architect not selected.

Calif., Santa Barbara — Office and Theatre—E. A. Johnson, c/o A. B. Rosenthal, archt., Orpheum Bldg., Los Angeles, having plans prepared 8 story, rein.-con., brick and terra cotta. $500,000.

Calif., Santa Rosa—Hospital—Supervs. Sonoma Co. plan to levy tax to finance construction hospital. $250,000. W. W. Felt, Jr., co. clk.

Calif., Santa Rosa—Hotel and Apartment—Dunn-Hurst & Martin, Insurance Exch. Bldg., San Francisco, are representing corporation which is being formed and plans to construct 6 story, concrete, $500,000. Architect not selected.

Que., Quebec — Hospital — Hospitalieres Sisters, Hotel Dieu, plans 3 story and basement, brick, steel and stone, St. Foye Rd. $200,000. Architect not selected.

Que., St. George de Beauce—Convent—Good Shepherd Convent, plans 3 story and basement. $200,000.

Ont., Cornwall—School—Bd. Educ. plans 2 story and basement, 8 room, brick. $150,000. J. C. Harkness, town clk. Architect not selected.

Ont., Peterboro — College — Bd. Educ. plans 3 story and basement, 20 room, brick. $200,000 to $300,000. Architect not selected.

BIDS DESIRED

Conn., Hartford—Business—S. S. Nelson, 290 Trumbull St., will build 8 story, 100 x 130 ft., rein.-con. and brick, plain foundation, Church St., by separate contracts. $225,000. F. C. Walz, 407 Trumbull St., archt. Noted Oct. 12.

N. Y., Jamestown—High Schools—Feb. 9, by Bd. Educ., East 2nd St., junior high school, Front St.; adv. this issue.

N. Y., Jamestown—High School—Feb. 23, by Bd. Educ., East 2nd St., junior high school, Buffalo St.; adv. this issue.

N. Y., New York—Apartment—H. A. Hyman, c/o Schwartz & Gross, archts. and engrs., 347 5th Ave., 14 story, 95 x 150 ft., brick, steel and stone, plain foundation, 5th Ave. and 10th St. $2,000,000. Work will be done by separate contracts under supervision of architects.

N. Y., New York—High School—Jan. 30, by J. E. Douglass, acting supt. of School Buildings of Bd. Educ., Flatbush Ave. extension and Concord St., Brooklyn, George Washington High School, easterly side of Audubon Ave. about 432 ft. north of West 190th St., here. Noted Dec. 28.

N. Y., New York—Loft—A. E. Lefcourt, 152 West 42nd St., 14 story, brick, steel and stone addition, plain foundation, West 37th St. Work will be done by separate contracts under supervision of L. Haas, chn. Building Comn. Private plans.

N. Y., Niagara Falls — High School — Feb. 1, by Bd. Educ., Gluck Bldg., brick and steel high school to replace one recently destroyed by fire. $650,000. Noted June 1.

Altoona (Pa.) Building

Greatest building year in its history was 1921, when improvements amounted to $3,313,242, against $1,769,834 in 1921, the previous record—Altoona Correspondent.

N. Y., Theills—Assembly Hall, etc.—Feb. 1, by M. B. Patterson, pres. Bd. Mgrs. Letchworth Village, 7 Wall St., New York City, attendents home, assembly hall and industrial building, at Letchworth Village, here. L. F. Pilcher, Albany, state archt.; adv. this issue. Noted Dec. 7.

N. J., Trenton—Bank—March 15, by A. C. Bossom, archt., 680 5th Ave., Jersey City, 14 story, 66 x 149 ft., steel, brick and concrete, West State St. and Chancery Lane, here, for Trenton Trust Co. $800,000.

Pa., Carrick (Pittsburgh P. O.)—School—Bd. Educ. and Estep & Estep, archts., Century Bldg., Pittsburgh, taking bids on revised plans for 2 story, basement and sub basement, 151 x 260 ft., Park Way. $425,000. Noted Oct. 19. Incorrectly noted Dec. 7.

Pa., Phila.—Bank—P. A. Davis, archt., 1713 Sansom St., taking bids 1 story and basement, brick, steel and stone addition, plain foundation, 7th and Dauphin Sts., for Northern Natl. Bank. $150,000. Noted Nov. 23.

Pa., Phila.—Recreation—H. Trumbauer, archt., Land Title Bldg., taking bids 10 story and basement, 50 x 136 ft., rein.-con., brick, steel and stone, caisson foundation, 307-311 South Broad St. $750,000. Owner's name withheld.

Pa., Phila.—Sales and Office—A. J. Sauer & Co., archt., Denckla Bldg., taking bids 15 story and basement, 38 x 104 ft., 1312-1314 Chestnut St., for Cunningham Piano Co., 11th and Chestnut Sts., $2,000,000.

Pa., Wilmington — W. F. Thompson, archt. and engr., 342 Madison Ave., New York City, taking bids and opens same about Jan. 15, brick, steel and stone building, plain foundation, here, for Y. W. C. A., 134 East 44th St., New York City. $250,000.

O., Cleveland—Commercial and Office—H. T. Spencer of H. T. Spencer Novelty Co., 1450 West 3rd St., taking bids 6 story, 66 x 89 ft., brick, steel and concrete, West 2nd St. and St. Clair Ave. $200,000. Lehman Schmitt Co., Electric Bldg., archts.

O., Columbus—School—Jan. 29, by E. L. McCune, clk. Bd. Educ., Town and High Sts., 2 story and basement, 125 x 145 ft., brick and concrete, Fairwood Ave. $175,000. H. D. Smith, 50 East Town St., archt. Noted Oct. 5.

O., Groveport—School—Jan. 31, by Bd. Educ., 2 story and basement, 90 x 200 ft., brick and concrete. $200,000. D. Riebel & Sons, New 1st Natl. Bank Bldg., Columbus, archts. Noted Aug. 24.

O., Lakewood (Cleveland P. O.)—Apartment—J. J. Libman, 3817 West 25th St., and I. Lerman, 12324 Edmonton Ave., Cleveland, taking bids 4 story, 66 x 133 ft., brick, steel and concrete, 11851 Lake Ave., here. $175,000. Branerman & Havermaet, Ulmer Bldg., Cleveland, archts.

O., Massillon—High School—Jan. 19, by O. D. Howard, archt., 8 East Broad St., Columbus, remodeling and 2 story and basement, 160 x 171 ft., rein.-con. and brick addition, to Washington High School, here, for Bd. Educ. $300,000. Noted Sept. 7.

Ind., Indianapolis—Apartment—E. G. Spink Co., 914 Hume-Mansur Bldg., taking bids 8 story and basement, 54 x 170 ft., brick and stone, North Meridian St. $500,000. W. K. Eldridge, Hume-Mansur Bldg., archt. Noted Jan. 4.

Ind., Logansport—High School—Jan. 27, by Bd. Educ., 2 story and basement, 122 x 160 ft., rein.-con. and brick. $250,000. Allen & Garriott, Masonic Temple, archts. Noted Jan. 11.

Mich., Detroit — Apartment — M. H. Finkel, archt., 919 Majestic Bldg., taking bids 11 story and basement, rein.-con., brick and steel, plain foundation, Putnam and Cass Aves., for H. Silverman, 1030 Penobscot Bldg., $500,000. Noted Nov. 30.

Mich., Holland—School and Gymnasium—Jan. 24, by Secy. Bd. Educ., 2 story and basement, concrete, brick and steel, plain foundation. $175,000. Robinson & Campau, 715 Michigan Trust Bldg., archts.

Mich., Owosso—Schools—Jan. 25, by W. Seegmiller, secy. Bd. Educ., three 2 story and basement, concrete, brick and steel, plain foundations. $200,000. Lane, Davenport & Peterson, Dime Bank Bldg., Detroit, archts. Noted Sept. 28.

Ill., Chicago—Apartment—A. Rootberg, 3859 West Adams St., receiving bids 3 story, 150 x 177 ft., rein.-con., brick and steel, Washington and Lotus Sts. $200,000. Private plans.

Ill., Chicago—Apartment—N. M. Dunning, archt., 304 South Wabash Ave., receiving bids 3 story, 122 x 221 ft., rein.-con., brick and steel, Hoyne and 11th Sts., for Triangle Building Corp., 2112 West 119th St. $300,000.

Ill., Chicago—Apartment—F. F. Tunk & Co., 3968 Avondale Ave., receiving bids 3 story, 107 x 120 ft., rein.-con., brick and steel, Washington and Lombard Sts. $150,000. W. G. Kreig, and T. J. and M. D. Hetherington, 105 North Clark St., archts.

Ill., Chicago—Hospital—F. O. De Money, archt., 5 North La Salle St., receiving bids 2 story, 80 x 161 ft., rein.-con., brick and steel, Monroe and Loomis Sts., for owner c/o J. D. Robertson, 7 West Madison St. $200,000.

Ill., Chicago—Store and Loft—R. R. Cenek, archt., 118 North La Salle St., receiving bids 2 story, 125 x 125 ft., rein.-con., brick and steel, Kedzie Ave. near Montrose St., for D. S. Horwich, 11 South La Salle St. $150,000.

Ill., Oak Park—Apartment—D. Lazar, 1614 South Sawyer Ave., receiving bids 3 story, 100 x 147 ft., rein.-con., brick and steel, Taylor St. near Randolph St. $175,000. Architect not announced.

Wis., Milwaukee—Church—P. M. Christiansen, archt., 469 1st Ave., taking bids and opens same about Jan. 18, 2 story and basement, 64 x 96 ft., brick and tile, plain foundation, Mitchell St. and 25th Ave., for Salem Evangelical Assn., care G. H. Blum, 405 6th Ave. $150,000.

Wis., Milwaukee—Theatre and Office—M. Tullgren & Sons Co., 425 East Water St., receiving bids and opens same about Jan. 16, 7 story and basement, 150 x 205 ft., rein.-con., brick and steel, on Grand Ave. and 6th St., for Grand & Sixth Bldg., Inc., 425 East Water St. $1,500,000. C. W. and G. L. Rapp, 190 North State St., Chicago, associated archts. Noted Oct. 26.

Buildings (Continued)

Minn., Crookston—Convent and School—Jan. 25, by Mother Superior, Sisters of St. Benedict, 3 story and basement, 47 x 203 ft., rein.-con., brick faced. $350,000. Ellerbe & Co., 681 Endicott Bldg., St. Paul, archts. and engrs.

Minn., Mankato—School—Jan. 15, by State Bd. of Control, Capitol, St. Paul, 3 story and basement, rein.-con., brick, tile and stone addition to State Teachers College, here, $250,000. C. H. Johnston, 715 Capital Bank Bldg., St. Paul, engr. Noted Oct. 19.

Minn., St. Charles—High School—Feb. 15, by Bd. Educ., 2 story and basement, 140 x 150 ft., rein.-con., brick and tile. $150,000. G. Pass & San, Mankato, archts. Noted April 20.

Mo., Kansas City—Market and Store—Feb. 1, by H. B. Schoolfield, 412 Scarritt Bldg., 12 story and basement, rein.-con., terra cotta and steel, 23rd and Grand Sts. $2,000,000. W. S. Ferguson & Co., 1900 Euclid Ave., Cleveland, O., engrs.

Mo., St. Louis—Hospital—Graham, Anderson, Probst & White, archts., 80 East Jackson Ave., Chicago, taking bids 6 story, fireproof construction, Forest Park Blvd. and Kings Highway, here, for Jewish Hospital Bd., 5414 Delmar Blvd. $800,000.

Tex., Albany—Dormitories, etc.—Presbyterian Orphanage taking bids 2 story dormitories, cottage system. $300,000. D. Castle Co., Abilene, archts. and engrs.

Tex., Port Arthur—High School, etc.—Jan. 27, by Bd. Educ. two 2 story 145 x 160 ft. wings to present high school, also 1 story 30 x 65 ft. boiler house, Lake Shore Blvd. $400,000; 2 story 80 x 232 ft., grade school, De Queen Blvd. $150,000; all rein.-con. and brick, plain foundations. W. B. Ittner, 911 Locust St., St. Louis, Mo., archt. Noted Dec. 28.

Wash., Wenatchee—City and County—Jan. 30, by City and Chelan Co., 4 story, 160 x 200 ft., rein.-con. and brick, plain foundation, Okanogan St. $350,000. Morrison & Stimson, Symons Bldg., Spokane, archts.

Calif., Oakland—School—Jan. 29, by Bd. Educ., 3 story, brick and steel addition to Lakeview School, Perry and Grand Aves. C. W. Dickey and J. J. Donovan, 2149 Bway., archts.

Que., Montreal—Court House—Jan. 18, by A. Galipeault, minister Pub. Wks., annex to court house. E. Cormier, Drummond Bldg., archt.

Ont., Lafalvre—Church—Jan. 30, by A. Bedard, pastor, 50 x 90 ft. brick, steel and stone. $150,000.

BIDS RECEIVED

R. I., Providence—School—Bd. Contract and Supply, 3½ story, 83 x 151 ft., brick and steel, plain foundation, Summit Ave., from Haley & Hart, Providence (street address not available) $217,000; C. S. Cunningham & Sons, Union Trust Bldg., $221,670; A. F. Smiley, 202 Oak Hall Block, Pawtucket, $223,920. Noted Dec. 21.

N. C., Raleigh—School—School Bd., 3 story and basement, 120 x 162 ft., Wiley School, from C. V. York Constr. Co., Citizens Bank Bldg., $151,884; W. P. Tennant, Florence, S. C., $155,700; J. W. Stout & Co., Sanford, $158,000. Noted Dec. 14.

O., Cleveland—School—Bd. Educ., East 6th St. and Rockwell Ave., 2 story, 187 x 191 ft., brick, steel and concrete addition, East 79th St. and Hough Ave., from Camp Constr. Co., Newman-Stern Bldg., $361,500; Moore-Lamb Constr. Co., 203 Stambaugh St., Youngstown, $367,500.

Minn. Aitkin—Court House—Aitkin Co., opened bids Dec. 30, general contract 3 story and basement, rein.-con., brick and tile, from Carlested Bros., 542 Builders Exch., Minneapolis, $151,745; Natl. Contg. Co., 311 Metropolitan Bank Bldg., Minneapolis, $151,763; A. B. Drygas, St. Cloud, $154,780. Noted Dec. 21.

CONTRACTS AWARDED

Mass., Boston—Market—City, restoring Faneuil Hall, to Cram & Ferguson, 248 Boylston St., who will supervise letting of various contracts (with city approval) on cost plus percentage basis. $150,000. Noted Jan. 4.

Mass., Boston — Police Station — Public Buildings Dept., City Hall, 10 story, 65 x 90 ft., brick and steel, plain foundation, Milk and Sears St., to M. Seretto, 3 Tremont Row, $530,000. Noted Dec. 21.

R. I., Pawtucket—High School—School Dept., 3 story, brick, steel and concrete addition, plain foundation, Bway., to Willmarth-Mackillop, Inc., Freeman St., $253,713. Archts. est. $300,000.

Conn., New Haven—Apartment—J. E. Hennessey, Chapel and Park Sts., will build 6 story, brick and steel, plain foundation, Chapel St., by day labor. $150,000. H. E. Baldwin, 956 Chapel St., archt.

Conn., Norwich—Theatre—Norwich Palace Theatre Corp., 59 Bway., 4 story, 80 x 160 ft., rein.-con. and brick, plain foundation, Rose Pl. and Ferry St., to H. Wales Lines Co., 134 State St., Meriden. Archts. est. $200,000. Noted Nov. 30.

N. Y., Brooklyn—Apartment—M. Jones, c/o B. W. Dorfman, archt. and engr., 26 Court St., 4 story, 100 x 100 ft., brick, steel and stone, Ft. Hamilton Parkway and 55th St., by day labor. $150,000.

N. Y., Brooklyn—Apartment—Midwood Holding Co., Inc., c/o Springsteen & Goldhammer, archts. and engrs., 32 Union Sq., New York, 5 story, 100 x 100 ft., brick, steel and stone, plain foundation, Palisade Ave. near Ocean Ave., here, by day labor. $200,000.

Montreal Building

Permits: 3426 for new buildings worth $16,486,602; 1594 repairs costing $2,999,099. Last year 396 garages were erected, 21 factories, 16 schools, 8 churches—Montreal Correspondent.

N. Y., Freeport—High School—Bd. Educ. brick, steel and stone, plain foundation, Pine St., to Moody Constr. Co., 90 West St., $557,131. Archts. est. $560,000. Noted Dec. 21.

N. Y., New York—Apartment—C. Cohen, c/o Moore & Landseidel, archts. and engrs., 148th St. and 3rd Ave., 5 story, 100 x 120 ft., brick, steel and stone, plain foundation, 203rd St. and Grand Concourse, by day labor. $250,000.

N. Y., New York—Apartment—W. Garman, c/o C. Kreymborg, archt. and engr., 2534 Marion Ave., 5 story, 100 x 105 ft., brick, steel and stone, plain foundation, Grand Ave., by day labor. $200,000.

N. Y.—New York—Apartment—Groshall Building Corp., c/o D. S. Lang, archt. and engr., 110 West 34th St., 5 story, 100 x 100 ft., brink, steel and stone, plain foundation, West 175th St., by day labor. $175,000.

N. Y., New York—Apartment—H. W. C. Realty Corp., c/o C. Kreymborg, archt. and engr., 2534 Marion Ave., will build 5 story, 75 x 100 ft., brick, steel and ston,e plain foundation, Longfellow Ave. and East 174th St., by day labor. $150,000.

N. Y., New York—Apartment—One Thirty One East 93rd St., In., c/o F. Braun, archt. and engr., 588 Steinway Ave., Long Island City, 9 story, 60 x 85 ft., brick, steel and stone, plain foundation, 129 East 93rd St., here, by day labor.

N. Y., New York—Apartment—A. Stillman, c/o C. Kreymborg, archt. and engr., 2534 Marion Ave., 5 story, 100 x 118 ft., brick, steel and stone, plain foundation, Bainbridge Ave., by day labor. $200,000.

N. Y., New York—Bank and Office—Chatham & Phoenix Bank, 149 Bway., 4 story, brick, steel and stone, plain foundation, Bowery and Grand St., to Tidewater Building Co., 16 East 33rd St. Archts. est. $300,000. Noted Dec. 7.

N. J., Camden—High School—Bd. Educ., 3 story and basement, 149 x 282 ft., cut stone and brick, plain foundation, Park Blvd. and Euclid St., to H. J. Homans & Co., 1701 Chestnut St., Phila., $465,750. Noted Dec. 21.

Pa., Chester—School—Bd. Educ., 2 story and basement, 138 x 212 ft. school to Chester Constr. & Contg. Co., Chester, $267,484.

Pa., Phila.—Apartment—Kenin & Shapario, 5850 Market St., will build 4 story and basement, 150 x 250 ft., brick, steel and stone, plain foundation, 47th and Walnut Sts., by day labor. $600,000.

Pa., Wilkes-Barre—Armory—State Armory Bd., Harrisburg, 1 and 2 story and basement, 213 x 263 ft. and 43 x 141 ft. brick and steel, plain foundation, to Sinclair & Griggs, Medical Arts Bldg., $300,000.

Pa., York—Bank—First Natl. Bank, 3 story, stone, to Cogswell-Koether Co., 406 Park Ave., Baltimore, Md., $150,000.

Md., Baltimore — Apartment — Stratford Apartment Co., 562 University Parkway, 4 story, 90 x 100 ft., rein.-con. and brick, Liberty Heights Ave. and Denison St., to F. E. Yewell, 562 University Parkway, $250,000.

Tenn., Chattanooga—Office—Chattanooga Trust Co., 1st Natl. Bank Bldg., razing old building and constructing 8 story, 60 x 150 ft., brick and rein.-con., concrete pile foundation, Market and 6th Sts., to M. Wilson Co., James Bldg., $197,300, (270 days).

O., Cleveland—Store and Clubhouse—Slovenian Natl. Home, c/o F. Somik, 6512 St. Clair Ave., 2 story and basement, 175 x 185 ft., brick and steel, East 65th St. and St. Clair Ave., to M. Sattkovick, 1060 East 176th St. Archts. est. $150,000.

O., Columbus—Hotel—Franklin Constr. & Realty Co., 327 East State St., Ft. Hays Hotel, 12 story and basement, 84 x 125 ft., brick, steel, concrete and terra cotta, West Spring St., by day labor. $1,000,000. L. E. Pruitt, Comstock Bldg., archt.

O., McComb—Grade and High School—Bd. Educ., 2 story and basement, 114 x 182 ft., brick and concrete, to O. M. Green, 325½ North Elizabeth St., Lima, $229,842. Noted Dec. 28.

Ind., Hammond—Hotel and Store—Hammond Hotel & Improvement Co., 306 Hammond Bldg., 4 story and basement, 135 x 210 ft., rein.-con. brick and stone, State St., to Finlayson Bros. Constr. Co., 139 North Clark St., Chicago, $348,000. Archts. est. $400,000. Noted Dec. 28.

Mich., Hancock—School—Bd. Educ., general contract 3 story and basement, 80 x 336 ft rein.-con., brick, stone and tile, to A. J. Verville Co., Hancock, $275,450.

Ill., Chicago — Bank and Office — First Natl. Bank, Dearborn and Monroe Sts., 21 story, 48 x 90 ft. addition, rein.-con., brick and steel. Monroe and Clark Sts., to Leonard Constr. Co., 37 South Wabash Ave. Archts. est. $1,000,000. Noted Feb. 9.

Ill., Chicago—School and Hall—St. Anns Catholic Parish c/o A. Foster, archt., 56 East Randolph St., 3 story, 75 x 125 ft., rein.-con., brick and steel, 2213-17 West 18th Pl., to S. W. Constr. Co., 4140 Archer Ave. Archts. est. $200,000. Noted Aug. 17.

Kan., Lawrence—Library—Bd. Administration, Topeka, general contract 4 story and basement, 84 x 151 ft., steel, rein.-con. and stone, plain foundation, on campus of Kansas University, to A. H. Neumann & Co., 519 Hubbell Bldg., Des Moines, Ia. $234,000. Archts. est. $250,000. Noted Dec. 14.

Mo., St. Charles—High School—Bd. Educ., general contract, 3 story, 130 x 150 ft., brick, rubble stone foundation, 6th St., to R. B. Higgins Constr. Co., 1143 Childress Ave., St. Louis. $114,700. Noted Dec. 7.

Tex., Amarillo—Hospital—Potter Co., c/o R. C. Johnson, judge, 3 story, 35 x 140 ft. hospital, incl. nurses building and tuberculosis building, rein.-con. and brick, to V. E. Ware, 1614 East Missouri St., El Paso $145,000. Archts. est. $155,000.

Tex., Dallas — Apartment Hotel — Efficiency Apartment Corp., Great Southwestern Life Bldg., 11 story and basement, brick and steel, caisson foundation, Wolf and Maple Sts., to Gilsonite Constr. Co., Great Southwestern Life Bldg. Archts. est. $1,250,000.

Tex., Georgetown—School—School Bd. general contract 1 and 2 story, junior and high school building and remodeling ward school, rein.-con., brick and stone, to Wattinger Bros., Austin (street address not available), $126,958.

Ore., Portland—Institution—State Bd. Control, Salem, general contract for group of 3 buildings 42 x 150 ft., 60 x 176 ft. and 32 x 72 ft., 1 and 2 story, rein.-con. and timber, plain foundations, 82nd and 86th Sts., here, to Rounds & Clist, Pittock Blk., $103,463; heating and plumbing, to J. F. Shea, 4 North 2nd St. $29,800.

Calif., Bakersfield—Hospital—Kern Co. group of buildings for hospital, brick, stone and terra cotta, general contract to W. G. Reed, 204 Brock Bldg., Long Beach; plumbing to Bakersfield Plumbing Co., Bakersfield, $34,806 using Nelson fixtures; heating and ventilating to F. Davidson, Washington Bldg., Los Angeles, $29,446. Noted Jan. 4.

Federal Government Work

PROPOSED WORK

Mass., Boston—Pier, etc.—Spec. 4778—Bureau Yards & Docks, Navy Dept., Wash. D. C., plans fuel oil pier, bulkhead and dredging, here.

Ga., Savannah—Maneuver Boat—U. S. Engineer Office, plans to purchase maneuver boat for Dam 30, Ohio River, also repairs to dredge "Macon."

Miss., Gulfport—Hospital—Spec. 4774—Bureau Yards & Docks, Navy Dept., Wash. D. C., plans hospital, here.

Tenn., Nashville—Derrick Boats, etc.—U. S. Engineer, plans to purchase 2 steel derrick boats and 9 barges for revetment work.

Calif., Mare Island — Reconstructing Dikes—Spec. 4776—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans reconstructing dikes 9 and 14, here.

Federal Government **(Continued)**

Calif., Mare Island—Riprapping Dike—Spec. 4775—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans riprapping dike, here.

H. T., Pearl Harbor—Piers—Spec. 4687—Bureau Yards & Docks, Navy Dept., Wash., D. C., two 335 ft. rein.-con piers, 18 ft wide, also some dredging and filling (1) work complete, from Hawaiian Dredging Co., 854 Kuhuhuana St., Honolulu (1) $180,247 (270 days) (2) $187,247 (270 days) (3) add $2 deduct $0.75 (4) $4 deduct $2.25 (5) add $4 deduct $0.50 (6) add $0.70 (7) add $2.50. **Noted Nov. 16. Above bid rejected.**

BIDS DESIRED

N. Y., New York—Extension—Jan. 30 by Treas. Dept., Wash., D. C., extension to platform at U. S. Appraisers Warehouse, here. J. A. Wetmore, acting superv. archt.; adv. this issue.

Md., Annapolis—Natatorium—Spec. 4754—Jan. 24 by Bureau Yards & Docks, Navy Dept., Wash., D. C., 1 story, 89 x 289 ft. rein.-con., brick, steel and granite, here. L. E. Gregory, ch. of bureau. Noted Nov. 23.

Md., Edgewood—Mains, Sewers, etc.—Jan. 15 by Constructing Quartermaster, Edgewood Arsenal, for mains, sewers and water troughs at Ft. Hoyle, here.

D. C., Wash.—Extension—Spec. 4773—Jan. 24, by Bureau Yards & Docks, Navy Dept., extension to refrigeration and cold storage plant, here.

Ga., Ft. Benning—Houses—Jan. 30 by Constructing Quartermaster, 23 sets of 2 family houses; adv. this issue.

O., Cincinnati—Horses and Props—Feb. 8 at office U. S. Engineer, horses and props for Dams 34, 36 and 38, Ohio River; adv. this issue.

Tex., Galveston—Dredging—Feb. 21 at office U. S. Engineer, dredging at Brazos Island Harbor; adv. this issue.

N. M., Dona Ana—Well—Feb. 1 at office Constructing Quartermaster, Ft. Bliss, Tex., well at target range, here; adv. this issue.

Wash., Puget Sound—Detonator and Storehouse—Spec. 4750—Feb. 7, by Bureau Yards & Docks, Navy Dept., Wash., D. C., detonator and storehouse, here. Noted Nov., 9.

Calif., Richmond—Dredging, etc.—Jan. 26, at office U. S. Engineer, Custom House, San Francisco, dredging 1,000,000 cu.yd. and constructing 2,000 lin.ft. retaining wall, here.

Calif., Tiburon—Water Supply System—Spec. 4716—Feb. 7, by Bureau Yards & Docks, Navy Dept., Wash., D. C., water supply system, here. Noted Oct. 5.

BIDS RECEIVED

N. Y., Tupper Lake—Drainage System—Spec. 4723—Bureau Yards & Docks, Navy Dept., Wash., D. C., drainage system at U. S. Veterans Hospital, here, from H. W. Bachelder, West German St., Herkimer, (1) $60,000 (200 days) (2) $3,500 (10 days); Noland-Clifford Co., 322 28th St., Newport News, Va., (1) $65,210 (2) $7,380; Newport News Eng. Co., Newport News, Va., (1) $65,400 (210 days) (2) add $5,731. Noted Dec. 14.

N. Y., Tupper Lake—Hospital—Spec. 4718—Bureau Yards & Docks, Navy Dept., Wash., D. C., opened bids Dec. 28, for U. S. Veterans Hospital, here, Group A, Item (1) net price for entire basic work all parts, Subdivision—Infirmary Bldg 5, Bldg. 6, Ambulant Ward 8, boiler house, outside steam, outside electric, boiler house equipment, all else; Item (2a) Nurses quarters 7 (2b) ambulant Ward 4, (2c) garage (2d) quarters for S. M. Officer (2e) quarters for J. M. Officer (2f) quarters for A. Asst.; Item (3) add or deduct from Item 1 for steel sash; Item (4) Nurses Quarters Building 7 steel sash (4b) Ambulant Ward 4. Group B Item (5) net price for basic work under Part 1—Subdivision—Infirmary subsistence building, Bldg. 5, Bldg. 6, Ambulant Ward 8, boiler house, all else; Item (6a) Nurses Quarters Bldg. 7, (6b) Ambulant Ward 4 (6c) garage (6d) quarters for S. M. Officer (6e) quarters for J. M. officers (6f) quarters for A. Asst.; Item (7) add or deduct from Item (5) for steel sash; Item (8a) Nurses Quarters Bldg. 7 (8b) Ambulant Ward 4; Item (9) net price for basic work under Part 2—Subdivision—Infirmary, Bldg. 5, Bldg. 6, Ambulant Ward 8, boiler house, all else; Item (10a) Nurses Quarters Bldg. 7 (10b) Ambulant Ward 4, (10c) garage (10d) quarters for S. M. Officers (10e) quarters for J. M. Officers (10f) quarters for A. Asst. Item (11) Net amount for basic work under Part 3—Subdivision—Infirmary, Subsistence Building, Bldg. 5, Bldg. 6, Ambulant Ward 8, boiler house, outside steam, all else; Item (12a) Nurses Quarters Bldg. 7, (12b) Ambulant Ward 4 (12c) garage (12d) quarters for S. M. Officers (12e) quarters for J. M. Officers (12f) quarters for A. Asst.; Item (13) Net price for basic work under Part 4—Subdivision—Infirmary Subsistence Building, Bldg. 5, Bldg. 6, Ambulant Ward 8, boiler house, outside electric, all else; Item (14a) Nurses Quarters Bldg. 7, (14b) Ambulant Ward 4 (14c) garage (14d) quarters for S. M. Officers (14e) quarters for J. M. Officers (14f) quarters for A. Asst.; Item (15) Net price for all under Part 5; Item (16a) 1.2½ 5 ft. plain concrete per cu.yd. (16b) 1.2.4 rein.-con. per cu.yd. (16c) excavation. grading, etc., per cu.yd. (16d) 9 in. brick walls per sq.ft. of surface (16e) 13 in. brick walls per sq.ft. of surface (16f) steel reinforcement per lb.; Item (17) add to Items (1) and (13): Group A, Part 1, 2, 3, 4 and 5, no bids received. Group B, Part 1, from G. DeKempe, 143 Summit Ave., West Hoboken, N. J., Item (5) $873,000 (5a) $385,000 (5b) $174,500 (5c) $74,750 (5d) $76,000 (5e) $92,000 (5f) $31,400 (5g) $39,350 Item (6a) $82,800 (6b) $92,000 (6c) $29,100 (6d) $28,750 (6e) $28,750 (6f) $28,850 Items (7) (8a) and (8b) no difference; Item (16a) $13 (16b) $15 (16c) $2.30 (16d) $1 (16e) $1.50 (16f) $0.05; W. M. Sutherland Building and Constr. Co., 408 Compton Bldg., St. Louis, Mo., Item (5) $895,500 (5a) $435,901 (5b) $172,327 (5c) $72,066 (5d) $73,134 (5e) $84,241 (5f) $23,361 (5g) $34,570 Item (6a) $72,360 (6b) $75,239 (6c) $22,417 (6d) $26,755 (6e) $24,054 (6f) $22,944 Item (16a) $28 (16b) $30 (16c) $3 (16d) $0.75 (16e) $1,125 (16f) $0.05; Northeastern Constr. Co., 101 Park Ave., New York, Item (5) $913,000 (5a) $432,243, $181,186, $70,256, $71,994, $88,213, $33,604 $35,504 Item (6a) $70,567 (6b) $85,881 (6c) $22,530 (6d) $26,960 (6e) $25,079 (6f) $23,851 Item (7) add $15,420 Item (8a) add $1,868 Item (8b) add $3,936 Item (16a) add $24.18 deduct $18.16 (16b) add $31.20 deduct $24.06 (16c) add $2.30 deduct $1.80 (16d) add $0.91 deduct $0.71 (16e) add $1.31 deduct $1.01 (16f) add $0.067 deduct $0.051; Group C, Part 11 from W. G. Cornell Co., 19 Patterson St., N. E., Wash., D. C., Item (9) $83,000 (9a) $42,271 (9b) $13,942 (9c) $4,991 (9d) $6,578 (9e) $6,501 (9f) $1,587 (9g) $7,130 Item (10a) $6,920 (10b) $6,785 (10c) $1,281 (10d) $2,744 (10e) $2,501 (10f) $2,489 Item (11) $98,278, $29,237, $10,713, $6,089, $5,786 $7,969, $391, $32,563, $5,530, Item (12a) $6,885, $7,400, $4,293, $1,957, $1,453, $1,510 Item (13) Group E, Part 4 $50,329, $17,700, $4,000, $1,800 $1,900 $1,900 $765 $21,684, $580. Item (14a) $1,932, $1,911, $1,032, $1,880, $805, $694, Item (15) $13,975 (net price for all under Part 5) Item (17) $2,085; Noland-Clifford Co., 322 28th St., Newport News, Va., Item (9) Group C, Part 2, $85,034, $48,350, $14,320, $5,392, $6,230, $6,907, $1,625, $2,210, Item (10a) $6,500, $7,200, $1,596, $2,320, $2,275, $2,200, Item 11, Group D, Part 2, $119,003, $35,201, $14,318, $8,042, $7,150, $11,374, $500, $41,140, $1,278, Item (12) Group D, Part 2, $8,350, $9,600, $4,478, $2,100, $1,800, $1,800, Item (13) Group E, Part 4, $49,700, $16,700, $3,800, $1,570, Item (13e) $1,205 (13f) $1,735 (13g) $570 (13h) $23,400 (13l) $210, Item (14a) $1,200, $2,000, $1,200, $2,700, $900, $700, Item (15) Group E, Part 5, net price for all $65,733, Item (16a) $25 (16b) $35 (16c) $3.50 (16d) $0.75 (16e) $0.90 (16f) $0.05, Item (17) add to Items (1) and (13) $2,800; S. W. Rittenhouse, 1327 Taylor St., Wash., D. C., Item (9) Group C, Part 2, $86,518, $44,818, $14,191, $5,364, $6,437, $8,282, $1,883, $5,543, Item (10a) $8,799, $8,282, $1,083, $1,962, $1,966, $1,988, Item (11) Group D, Part 3, $13,311, $39,236, $12,674, $6,529, $6,437, $5,961, $2,926, $36,877, ($2,671, Item (12a) $9,744, $6,461, $1,214, $1,837, $1,416, $1,496; Shevlin Eng. Co., 259 West 34th St., New York, Item (11) Group D, Part 3, $100,858, Item (11a) $28,869, $12,089, $6,153, $6,116, $7,732, $200, $38,129, $1,570, Item (12a) $5,352, $7,096, $3,068, $1,547, $1,306, $1,299, Item (15) net price for all under Part 5, $53,998; F. Eisinger, 310 St. John Pl., Brooklyn, Item (15) $47,140; E. G. Woolfolk Co., 15 West 38th St., New York, Item (11) $97,923 (11a) $32,498 (11b) $14,192 (11c) $6,892 (11d) $6,248 (11e) $8,563 (11f) $465 (11g) $27,874 (11h) $1,221; Electric work—Item (13) net price for basic work under Part 4, from Strang Electric Co., 214 South 7th St., Phila., Pa., Item (13) $39,735 (13a) $14,864 (13b) $3,340 (13c) $1,348 (13d) $1,226 (13e) $1,876 (13f) $564 (13g) $16,077 (13h) $443; Item (14a) $1,348, $1,750, $939, $1,946, $570, $451; L. R. Comstock, 21 East 40th St., New York, Item (13) $45,963, $13,393, $3,515, $1,436, $1,128, $1,541, $439, $24,363, $148, Item (14a) $2,100, $2,150, $1,080, $3,420, $817, $679; H. Alexander, 20 West 34th St., New York, Item (13) $47,434, $16,730, $3,950, $1,685, $1,585, $2,274, $750, $19,500, $960, Item (14a) $863, $1,790, $880, $2,780, $699, $578. Noted Dec. 7.

N. Y., Tupper Lake—Roads, etc.—Spec. 4727—Bureau Yards & Docks, Navy Dept., Wash., D. C., roads, sidewalks, etc., at U. S. Veterans Hospital, here, (1) work complete, from Newport Contg. & Eng. Co., Silsby Bldg, Newport News, Va., (1) $52,052 (2) add $6,416 (3a) add $400 deduct $300 (3b) add $3 deduct $2 (3c) add $3 deduct $2; D. W. Robbins, 376 Gennessee St., Utica, (1) $87,900 (2a) $7,600 (2b) $2,450 (2c) $650 (2) deduct $10,700 (3a) $3.15 (3b) $2.25 (3c) $2.10. Noted Dec. 14.

CONTRACTS AWARDED

Pa., Pittsburg—Lock Gates—U. S. Engineer, steel lock gates for Lock 1, Allegheny River, to John Eichleay Jr. Co., 45 South 20th St., $7,371. Noted Nov. 23.

Del., Wilmington—Excavating—U. S. Engineer, excavating cut-offs in St. Jones and Mispillion Rivers, to Delaware Dredging Co., 139 South 3rd St., Phila., Pa. $45,632. Noted Nov. 23.

D. C., Wash.—Crane—Chief of Engineers Office, 250 Old Land Office Bldg., 1 steam locomotive crane to McMyler-Interstate Co., Stop 27, A, B & C Electric Ry., Bedford, O., $5,870.

Wis., Milwaukee—Barges —U. S. Engineer, Federal Bldg., five barges and installation of machinery in same, to Green Bay Dry Dock Co., Green Bay, $72,400. Noted Jan. 4.

Calif., San Diego—Covering Railroad Track—Spec. 4737—Bureau Yards & Docks, Navy Dept., Wash., D. C., covering railroad tracks at Marine Barracks, here, to D. H. Ryan, 1615 Fern St., $15,528 (70 days). Noted Dec. 7.

Calif., San Diego—Dredging—U. S. Engineer, 725 Central Bldg., Los Angeles, dredging in harbor, here, to United Dredging Co., Exposition Park, Los Angeles, $103,676. Noted Nov. 16.

Miscellaneous

PROPOSED WORK

Dock—Alexandria Bay, N. Y.—Thomson & Freeman, plan new concrete landing dock at Hotel Crossman. $20,000. Address C. S. Thomson, Alexandria Bay.

Dock Improvements—Alexandria Bay, N. Y.—Thousand Island Country Club, Wellesley Island, plans concrete and rein.-con. improvements to docks. $25,000-$30,000. Address A. S. Willcox, Alexandria Bay.

Transmission Line—Binghamton, N. Y.—Binghamton Light, Heat & Power Co., 172 Washington St., plans transmission line from here to Sayre, Pa. $225,000.

Park—Elmira, N. Y.—City Park Comm. plans improvements to park incl. rest room, swimming pool, new road, etc. $25,000.

Road Roller—Fowler (Gouverneur, P. O.) N. Y.—Town Clerk taking bids 10 ton gasoline road roller.

Turbines, etc.—Johnson City, N. Y.—Binghamton Light, Heat & Power Co., 172 Washington St., Binghamton, plans installing new 10,000 kw. turbine and 3 new 600 h.p. boilers incl. auxiliary equipment, in plant, here. $850,000.

Athletic Field—Lockport, N. Y.— See "Buildings."

Retaining Wall—Niagara Falls, N. Y.—Plans concrete retaining wall at south end of 11th St. overhead crossing. $25,000. D. J. Fort, 251 2nd St., city mgr.

Trucks—Niagara Falls, N. Y. — D. J. Fort, city mgr., plans to purchase six 3.5 ton and three 1.5 ton trucks for Dept. Pub. Serv. $20,000.

Street Sweeper—Watertown, N. Y.—City plans to purchase motor driven street sweeper. $7,000. J. W. Ackerman, city mgr.

Electric Crane—Ogdensburg, N. Y.—Hall Coal Co., plans to replace electric crane destroyed by storm last season. $40,000.

Elimination of Grade Crossings, etc.—Trenton, N. J.—Pennsylvania R. R., Broad St. Sta., Phila., plans to eliminate 4 grade crossings, remove bed of Delaware and Raritan Canal a few hundred feet north and build conduit 25 ft. wide and 6 ft. deep, here. $800,000.

Parks—Trenton, N. J.—Plans 11th Ward and North Trenton Parks. $38,000. G. W. Page, dir. Parks.

Subway—Altoona, Pa.—H. J. Baum, city engr., making survey for 140 ft. concrete subway, 40 ft. wide, under Pennsylvania R.R. on 23rd St. $100,000.

Elimination of Grade Crossing — Van, Pa.—State, Venango Co. and Lake Erie, Franklin & Clarion R.R., Franklin, plan to eliminate grade crossing here. $52,924.

Seawall and White Way—Bradentown, Fla.—Defeated $100,000 bonds for seawall and white way. Kirley & Myler, Bradentown, engs. Noted Nov. 23.

Miscellaneous (Continued)

Dock and Warehouse—New Orleans, La.—Bd. Port Comrs. takes bids in 30, days for rein.-con. dock and warehouse on Industrial Canal. $1,500,000.

Toll Lines, etc.—Nashville, Tenn.—Cumberland Telephone & Telegraph Co., 3rd and Church Sts., plans extensions, cables, exchanges, toll lines, etc. $300,000. K. Hardcastle, genl. mgr.

Road Machinery — Wisconsin—Following are county appropriations for road machinery. Washburn Co. $5,000, incl. patrol graders, road planes, scarifiers, J. R. Allen, Spooner, comr.; Iron Co. $10,000, incl. large tractor, crusher and trucks, W. Weber, Saxon, comr.; Lincoln Co. $7,000, H. H. Kuehling, Merrill, comr.; Sauk Co. $12,000, incl. 2 rock crushers, 6 graders, etc., W. Halbersleben, Baraboo, comr.; Dane Co. $35,000, incl. small grading outfits, E. J. Smith, Madison, comr.; Juneau Co. $10,000, incl. graders, wheelers and slip scrapers, A. V. Robison, New Lisbon, comr.; La Crosse Co. $15,000, J. Hintgen, La Crosse, comr.; Waukesha Co. $8,000, incl. tractor and possibly large grader, C. J. Hahn, Waukesha, comr.; Buffalo Co. $3,000, J. Reinhardt, Nelson, Comr.; Oneida Co. $10,000, B. L. Horr, Rhinelander, comr.; Vilas Co. $7,000, incl. trucks, W. F. Hunter, Eagle River, comr.; St. Croix Co. $13,000, incl. caterpillar tractor, large grader, patrol graders, wheelers, slips, etc., J. Caffery, Hammond, comr.; Pierce Co. $5,000, incl. patrol graders, C. F. Kenall, Ellsworth, comr.; Green Co. $30,000, incl. crushing outfit and tractor, C. J. Smith, Monroe, comr.; Dodge Co. $10,000, E. T. Klug, Juneau, comr.; Calumet Co. $8,000, incl. one heavy tractor and two 2 ton motor trucks, J. A. Gillis, Chilton, comr.

Steam Shovel, etc.—Sturgeon Bay, Wis.—L. D. Smith Co., soon takes bids for steam shovel and stone crushing machinery. L. D. Smith, pres.

Grain Elevator—Duluth, Minn.—Occident Elevator Co., Bd. of Trade Bldg., plans 6 story, 200 x 350 ft. grain elevator, rein.-con., on pile and concrete foundation, Rices Point, $900,000. Engineer and architect not announced.

Swimming Pool—Kansas City, Kan.—Park Bd. takes bids in spring, rein.-con. swimming pool in 3 story and basement brick building. G. Grinrod, City Hall, archt.

Electric Street Lighting—Ft. Worth, Tex.—Voted $250,000 bonds for electric street lighting. D. L. Lewis, city engr.

Harbor Inmprovements, etc.—Houston, Tex.—Harris Co. and city voted $4,000,000 bonds for harbor and dock improvements. J. C. McVea, city engr.

Community Center—Piedmont, Calif.—Piedmont Civic Assn., had preliminary plans prepared community center, incl. street improvements, public buildings, etc. To exceed $500,000. H. Sawyer, Hearst Bldg., San Francisco, A. Farr, 68 Post St., San Francisco, and C. W. Dickey, 2149 Bway., Oakland, archts.

Telephone Lines—San Diego, Calif.—Pacific Telephone & Telegraph Co., 1130-6th St., plans enlarging and extending system, incl. 38,000 ft. underground cable and 220,000 ft. aerial cable, of various capacities, from 25 to 1,200 pairs. Additional sections of switchboards will also be installed in main and branch stations. A. E. Scott, local mgr.

Electrification of Railways—Ontario—H. Thornton, chn, Canadian Natl. Ry., 407 Old Union Sta., Toronto, announced that examination and plans will be prepared for electrifying Grand Trunk Ry. from Toronto to Hamilton and from Hamilton to Niagara Falls, also laying additional tracks for fast radial service, total distance 80 mi. A. F. Stewart, 407 Old Union Sta., Toronto, ch. engr.

Freight Sheds—Ft. Williams, Ont.—Canadian Pacific Ry., Windsor St., Montreal, Que., plans to rebuild freight sheds here recently destroyed by fire. $200,000. J. C. Holden, Winnipeg, Man., ch. engr. of western line.

Grain Elevator—Ft. William, Ont.—James Stewart Grain Co., had plans prepared 1,500,000 bu. terminal grain elevator, concrete, $850,000. Pile foundation to Thunder Bay Harbor Improvement Co., Molsons Bank Bldg., Port Arthur, $150,000.

Electric Distribution System—Galt, Ont.—Pub. Utilities Comn. plans to expend $125,000 for altering and extending electric distribution system, incl. sub-station equipment, wire, transformers, switches, poles, etc.

Grain Elevator, etc — Goderich, Ont.—Goderich Elevator & Transit Co., Horton St., London, having plans prepared grain elevator, $250,000, also improving harbor, $250,000. Private plans.

Subway—Mimico, Ont.—Plans subway 66 ft. wide under tracks of Grand Trunk Ry. on Grand Ave., probably concrete abutments, plate girder construction, $135,-000. G. Telfer, city clk.

Gas Mains—Owen Sound, Ont.—Utilities Comrs. plan extending gas mains. $40,000. Prices wanted on materials. C. Gordon, mgr.

Grain Elevator—Burrard Inlet, B. C.—E. A. Woodward Grain Co. Ltd., 721 Grain Exch., Winnipeg, Man., plans grain elevator on 150 x 1,650 ft. site, here. $500,-000. Engineer not selected.

Flume—Penticton, B. C.—Provincial Government, Victoria, appropriated $400,000 for miscellaneous work in connection with irrigation of land for Soldier Settlement at Oliver, and Osoyoos, near here, to include large flume, probably concrete, to cost $168,000. Work will probably be done by day labor. F. H. Latimer, Penticton, engr.

BIDS DESIRED

Bulkhead—Brooklyn, N. Y.—Jan. 19, by G. A. Whalen, comr. Plant & Structures, Municipal Bldg., New York, bulkhead east of Brooklyn tower of Williamsburg Bridge.

Tractors—Canton, N. Y.—Bd. Supervs. St. Lawrence Co. receiving bids 2 or more heavy duty tractors. Address N. E. Clark, Jr., Potsdam.

Road Roller—Carthage, N. Y.—Town Bd. receiving bids 10 ton road roller. Address M. J. Pfister, Great Bend.

Tractor, etc—Gouverneur, N. Y.—Village Bd. receiving bids heavy duty tractor and snow plow. Address W. L. Hayden, street comr.

Auto Truck—Niagara Falls, N. Y.—E. J. Fort, city mgr., taking bids one 5 ton auto truck for Highway Dept. $6,200.

Crane—Syracuse, N. Y.—Onondaga Co. receiving bids 1 caterpillar crane, revolving ¾ yd. clamshell bucket. $9,500. F. X. Wood, Court House, purch. agt.

Tar Patching Material, etc—Trenton, N. J.—Jan. 23, by Bd. Freeholders Mercer Co., Court House, furnishing and delivering 40,000 gal. tar patching material, and 20,000 gal. asphalt "but back." H. F. Harris, Court House, co. engr.; adv. this issue.

Dump Wagons — Milton, Pa. — W. Godcharles, taking bids several dump wagons. $1,000.

Machinery and Equipment — Georgia — Jan. 22, by State Hy. Dept., Atlanta, eleven 3 blade road drags, three 8 ft., one 7 ft. 3 in., three 7 ft., four 8 ft. and three 10 ft. road graders, 16 tractors, two 10 ft. and three 12 ft. road graders with scarifier attachment, 3 sets Crawler attachment for Fordson tractor, 120 ft. ¾ in. cable, 11 steel dump bodies for Ford trucks, 7 road maintainers, 90 ft. 1 in. cable, two 12 ft. scarifier attachment for 12 ft. road grader, 2 Fordson tractors with crawler attachment, above to be used in maintaining State System of Highways. W. R. Neel, Atlanta, state highway engr.

Motor Truck—Appleton, Wis.—Feb. 7, by E. L. Williams, city clk., one 2½ ton motor truck complete with automatic dump, prices f.o.b. Appleton, for use of street department.

Street Roller, etc.—La Crosse, Wis.—Taking bids furnishing one 8 ton street roller and purchasing from city 10 ton and 15 ton rollers. M. R. Burnbaum, city clk.

Sign Posts, etc.—Oshkosh, Wis.—Taking bids 425 street sign posts and 1,700 street name signs. Noted Jan. 4.

Grand Stand, etc.—Topeka, Kan.—Jan. 26, by Williamson & Co., archts., 312 Central Bank Bldg., concrete and steel grand stand, 7,000 seating capacity incl. display stand, concession space and comfort station under stand, for Kansas Free Fair Assn., Fair Grounds. Noted Jan. 4.

BIDS RECEIVED

Motor Gasoline—New York, N. Y.—H. Bruckner, pres. Bronx Boro, Tremont and 3rd Aves., opened bids Jan. 3, furnishing and delivering 6,000 gal. motor gasoline, from Standard Oil Co., 26 Bway., $1,125; Tidewater Oil Sales Corp., 11 Bway., $1,133. Noted Dec. 28.

Coal Handling Equipment—Phila., Pa.—F. H. Caven, dir. pub. wks., City Hall, opened bids Dec. 29, (1) coal handling equipment also tracks, grading, shelter houses, etc., (2) locomotive crane, from J. B. McHugh, 403 Markoe St., (1) $6,063; (2) $9,650; Acme Machine Co., 710 Wood St., (1) $8,757, (2) $11,146; Browning Co., Weidner Bldg., (2) $11,720. Noted Dec. 21.

Levee and Bridge—Redwood City, Calif.—San Mateo Co. constructing levee and bridge over Bean Hollow, (a) 13,000 yd. earth embankment (b) 175 yd. concrete in bridge (c) 32,400 ft. sheet piling, (d) 150 yd. concrete slope pavement, etc., from A. Mattson, San Bruno, (a) $1 (b) $31 (c) $0,10 (d) $29; C. B. Cowden, 2082 Green St., San Francisco, (a) $1.20 (b) $33 (c) $0.09 (d) $30. Noted Dec. 28.

CONTRACTS AWARDED

Gas Holder and Trestle—Leominster, Mass.—Leominster Gas Light Co., 46 Main St., steel gas holder and trestle on concrete foundation, Mill St., holder, etc., to Stacey Mfg. Co., Elmwood Pl., Cincinnati, O.; masonry to Wiley & Foss, Central St., Fitchburg. Archts. est. $60,000.

Park—Astoria, N. Y.—Park Bd. at office Dept. Parks, Municipal Bldg., New York, improving Astoria Park, here, to T. Di Roma, 33 Evelyn Pl., New York City. $99,973.

Portland Cement—Brooklyn, N. Y.—E. Riegelmann, boro pres., Boro Hall, furnishing and delivering 3,500 bbl. Portland cement, to M. M. Canda, 184 3rd St., $9,520. Noted Jan. 4.

Transmission Line—Logan, W. Va.—See "Industrial Works."

Facade and Retaining Walls—New Orleans, La. — Bd. Port Comrs., 201 New Court Bldg., facade, paving and coping walls at foot of Canal St., to Geary-Oakes Co. Inc., Title Guarantee Bldg., $65,000. Noted Dec. 28.

Grandstand—Chicago, Ill.—Chicago Natl. League Baseball Club, 400 North Michigan Ave., remodeling and enlarging baseball park, North Clark St. and Addison Ave., increasing seating capacity of grandstand 13,000, etc., to Languist & Illstey Co., 1100 North Clark St. Archts. est. $200,000.

Portland Cement—Wisconsin—State Hy. Comn., Madison, awarded contracts for Portland cement as follows: 225,000 bbl. to Marquette Cement Co., Marquette Bldg., Chicago; 175,000 bbl., to Lehigh Portland Cement Co., 111 West Washington St., Chicago; 125,000 bbl., to Sandusky Portland Cement Co., Engineers Bldg., Cleveland, O.; 50,000 bbl., to Petoskey Portland Cement Co., Petoskey, Mich.; 80,000 bbl. to Northwestern States Portland Cement Co., 327 Liberty Exch., Minneapolis, Minn.; 75,000 bbl., to Huron Portland Cement Co., through Western Lime & Cement Co., 68 Wisconsin St., Milwaukee, state agents; 160,000 bbl., to Alpha Portland Cement Co., Easton, Pa.; 500,000 bbl., to Universal Portland Cement Co., 210 South La Salle St., Chicago, this company may take contract for larger quantity. Price is $1.75 gross, Buffinton, La Salle or Dixon. To this will be added the sacks and freight. Discount of 10 per cent for cash in 10 days. Noted Dec. 28.

Piling—Milwaukee, Wis.—Gimbel Bros., 3 Grand Ave., piling for 8 story and basement, 77 x 120 and 58 x 177 ft. store building, rein.-con. and terra cotta, plain and wood pile foundation, to E. E. Gillen Co., 388 East Water St. Noted Dec. 21.

Swimming Pool—Sheboygan, Wis.—Bd. Educ., steel and tile swimming pool in high school, to L. M. Hansen, 133 West Walnut St., Green Bay. Engrs. est. $40,000.

Shore Protection—Glenwood, Ia.—Mills Co., 9 mi. shore protection along Missouri River, to Wood Bros. Constr. Co., Lincoln, Neb., $56,603. Noted Aug. 4, 1921.

Signal System—Minneapolis, Minn.—Fire alarm system in underground conduits 99,878 lin.ft. cable, 3 to 55 pairs, 6 to 110 conductors, to Standard Underground Cable Co., Conway Bldg., Chicago, $54,869. Noted Oct. 5.

Elimination of Grade Crossing—Oklahoma City, Okla.—Elimination of grade crossing on 23rd St. over tracks Atchison, Topeka & Santa Fe R. R. 13,000 cu.yd. excav., 100 cu.yd. rein.-Con., 160 cu.yd. concrete, 4,400 lin.ft. 18 in. tile, to Smith Bros., 308 Sumpter Bldg., Dallas, Tex., $98,400. City will do paving, construct storm sewers and small concrete culvert.

Stadium—Berkeley, Calif.—University of California, grading, culverts, etc. for stadium, under Group 1, incl. general and detail excavations, embankments, concrete culverts, tunnels, retaining walls, foundations and piers, to Bates & Borland, Bank of Savings Bldg., Oakland, $335,000. Noted Dec. 7.

Pier—San Diego, Calif.—Common Council constructing first unit of mole type pier No. 2, to United Dredging Co., foot of Beech St., 305,000 cu.yd. dredging at $0.295 per cu.yd., 12,000 ton rock fill $2.70, constructing curtain walls, etc., $87,525. Noted Dec. 14.

Foundation—Port Arthur, Ont.—N. Bawlf Grain Co., Ltd., 571 Grain Exch. Bldg., Winnipeg, Man., and 1415 Royal Bank Bldg., Toronto, foundation for 200 x 250 ft. rein.-con. grain elevator, 80 ft. high, to Barnett-McQueen Ltd., Ft. William, $150,-000. Total cost $800,000. Noted Dec. 21.